Brief on Estimated Sample Size of Women Needed to Result in 100,000 Live Births

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I. INTRODUCTION

The number of women that need to be contacted and recruited to obtain the desired sample size for the National Children's Study (NCS) is a significant factor in determining the cost and feasibility of various sampling approaches being considered. In this report we estimate the number of women and households that need to be contacted and enrolled in the NCS in order to obtain 100,000 live births under different assumptions regarding response and fertility rates. To do so, we developed probabilistic models to predict recruitment, enrollment, and live births resulting for a series of possible protocols for conducting the recruitment effort. We utilized various data sources for estimating probabilities including the October 25, 2002 Westat report titled "Sampling Strategies for the Proposed National Children's Study," the Battelle White Paper on Recruitment and Retention for the NCS, and various additional sources of data including the National Vital Statistics Reports (NVSR), the National Survey on Family Growth (NSFG), and other research studies.

II. METHODOLOGY

We considered two primary recruitment strategies separately – recruitment through a probability-based sample of households and recruitment of women through medical offices such as obstetrics or family planning practices in which some prior knowledge regarding patients is available. We also considered a third option of recruiting entire communities, the results of which we estimated to be a combination of the household and physician's office approaches. Within each strategy, we considered multiple levels of three primary criteria to evaluate their impact on the required sample size.

- *The length of recruitment period* Enroll all live births within a window of three, four, or five years.
- The pregnancy/contraception status of age-eligible women For the household recruitment model, one option enrolled all age-eligible women and the other enrolled only those currently pregnant (CP) or currently seeking pregnancy (CSP) at the initial contact. For the Physician's Office Model, we considered one option in which 80,000 live births would stem from women currently pregnant at initial contact and the remaining 20,000 from women seeking to become pregnant at initial contact. We also explored a second option using the Physician's Office Model that divided the 20,000 births that come from women not pregnant at enrollment among women seeking pregnancy at initial contact and women either avoiding pregnancy at initial contact [i.e., current contraception users (CCU)] or women not on contraception but not seeking to become pregnant (e.g., not sexually active).
- Initial enrollment rate We considered two levels of average initial enrollment rates
 60 and 80 percent. The Westat 2002 report estimated 80 percent based on results

from the NSFG and the National Household Survey of Drug Abuse, but given the length and burden of the NCS, it is possible that response rates may not reach this level. Thus, we present results for a 60 percent enrollment rate to judge the impact this has on required sample size of women. Factored into the average enrollment rates is an assumption that CP or CSP women have higher enrollment rates than women not seeking pregnancy – 85 vs. 79.5 percent for the 80 percent average, and 65 vs. 59.5 for the 60 percent average.

In calculating the number of women initially enrolled, we used estimates for a number of intermediate response/participation rates that we held constant across all recruitment options. These include:

- 1. Age of women in population A smoothed distribution of women in each monthly age group from 15 to 44 years old was calculated using Census 2000 data. For this estimation exercise, births are only accepted from women who are less than 45 years old, i.e., women are dropped from the process when they reach age 45 in the calculations that follow so that all births occur to women who are in the target age range at delivery.
- 2. *Unit Occupation Rate* 90 percent of sampled households occupied, used for household recruitment only;
- 3. *Initial Contact Rate* 95 percent of sampled households/women are able to be contacted, with initial eligibility information obtained;
- 4. **Pregnancy/Contraception Status of Sampled Women** Based on the 1999 NVSR, we estimated that there will be 99.9 pregnancies per 1,000 women in a year across all women from 15-44 years old. Also, based on the NSFG (1995), we estimated that, at a given time, 4.0 percent of women are actively seeking pregnancy, 64.2 percent are CCUs, and the remainder that are not already pregnant are not on contraception but are not actively seeking pregnancy. These rates vary by age group. From these, we estimated agespecific rates for each monthly age group, which we used in the probabilistic model.
- 5. Attrition rate We assumed that a fraction of women being tracked would drop out of the study each month over the recruitment/follow-up period. We targeted an average monthly attrition rate of .003, which amounts to approximately 9.5 percent, 12.7, and 15.8 percent attrition for the three, four, and five year recruitment periods, respectively. This accounts for the sample being enrolled uniformly over a 12 month period, and women who reached age 45 being dropped out of the study (regardless of their pregnancy status at the time). Additionally, we allowed the attrition rate to be different depending on pregnancy/contraceptive status with women who are currently pregnant or currently seeking pregnancy having a higher likelihood of staying in the study than women using contraception or not seeking pregnancy.
- 6. *Induced Abortion and Fetal Loss Rates* Based on NVSR 1999 data, we estimate that 20.5 percent of pregnancies end in induced abortion and 15.9 percent end in a fetal loss with the remaining ending in live births. We utilized a smoothed curve of age-specific rates generated from the NVSR data. Fetal losses are distributed from the second through the ninth month of pregnancy with 60 percent assumed to occur in Month 2. Women undergoing a fetal loss then move back into the contraception status that they were in

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¹ It should be noted that the data sources used to develop this probabilistic model correspond to pregnancies that are recognized by pregnant women. Therefore, all spontaneous abortions that occur prior to week four of pregnancy (which are usually not recognized by the woman) are excluded from this model.

prior to becoming pregnant. Using data from CDC's 2000 Abortion Surveillance report, we distributed the occurrence of induced abortions from the second month through the sixth month of pregnancy. Following an induced abortion, these women are then shifted into the group of women on contraception.

In reality, we would not expect the probability of induced abortion to be the same for enrolled pregnant women or enrolled women seeking pregnancy as for the general population of women; however, our pregnancy model at this point does not differentiate between contraception status group of origin when removing women for induced abortion. Thus, the estimates developed for those recruitment options enrolling only already pregnant women or those seeking pregnancy are conservative. Based on calculations presented in Appendix A, we determined that a sampling strategy that exclusively recruited women in the CP and CSP categories would yield approximately 26.5 percent more live births because this group would not pursue induced abortions. A "correction factor" was applied to all sampling approaches considered that oversampled the CP/CSP categories based on this calculation. The overall results presented in Table 1 reflect the application of this correction factor to the recruitment options not targeting all women. The results presented in the Appendices do not reflect this correction factor.

- 7. *Live Birth enrollment rate* Of live births eligible for the study (1st or subsequent), we assume that 94 percent are enrolled in study. Note that currently-enrolled women who experience a live birth event but do not enroll the child are dropped from the study at that point.
- 8. *Multiple birth multiplier* An age-specific multiplier was calculated and applied to both 1st and subsequent study births to account for twins, triplets, etc. The multiplier ranged from 1.0082 to 1.0297 across the six primary age-groups, however our model utilized age-group specific rates that were smoothed across all ages by month.

To generate pregnancy and live birth rates for the group of enrolled women, we developed a transition model that estimated the rates at which women move between four basic pregnancy/contraception status categories – CP, CSP, CCU, and Other (not on contraception, not seeking pregnancy, and not pregnant). This transition model is based on maintaining agespecific probabilities of being in the various categories. We attempted to mimic what would really happen as enrolled women age over the recruitment period and face varying probabilities for being in different pregnancy/contraception categories as they move through time. In the enrollment cohort, without accounting for transition, women in the CSP category are quickly depleted, as a large percentage of those actively seeking to become pregnant are successful each month (e.g. 30 percent of 20 year-olds seeking pregnancy will be successful each month). The transition model accounts for the ongoing shift of women from the CCU and Other categories into the CSP category at a rate that maintains a steady population in the CSP category over time (2 percent of enrolled 20 year-old women). Women transition from the various categories into the CP category at a rate that maintains the annual pregnancy rates from the 1999 NVSR data. The percentage of all pregnancies originating from the CSP group is based on NSFG data on the percentage of pregnancies that are Intended. The distribution of pregnancies from the CCU and Other groups is based on NSFG results on the percentage of Mistimed and Unwanted pregnancies, the two types of Unintended pregnancies. See Appendix A for more details on our methodology for developing pregnancy and live birth rates.

For this exercise, we assumed that all live births would be obtained in the window of time indicated by the recruitment period, e.g., in a four year recruitment period all live births would arrive within the range of Months 4 to 51 – a 48 month window. This assumes that any births that occur in the first three months after enrolling an already-pregnant women are not eligible for enrollment in the study, i.e., these represent women in their third trimester of pregnancy at enrollment. An exception to our standard initial enrollment period of 12 months is the currently pregnant population enrolled throughout a longer period of time in the Physician's Office Model. Whereas in the Household recruitment approach we assume that all women are enrolled during the first 12 months of the recruitment period, in the Physician's Office recruitment approach we assume that the currently pregnant women are enrolled throughout the recruitment period. Because all births must be delivered by the end of the recruitment period and a fraction of women enrolled while currently pregnant are placed in their first month of pregnancy, we allow currently pregnant women to be enrolled up through Months 29, 41, and 53 of the three recruitment periods, respectively, in the Physician's Office recruitment approach.

III. ESTIMATES OF NUMBER OF CONTACTS NEEDED FOR 100,000 LIVE BIRTHS

Table 1 displays estimates of the initial number of households or women that need to be targeted, the expected number of women contacted, and the number of women enrolled in order to obtain 100,000 live births in the specified recruitment period. Note that in the household model, the number of households targeted is much larger than the number of women contacted as it accounts for household vacancies, failed contacts, and the expected number of eligible women per household. The estimates of number of women targeted by the Physician's Office approach, however, are much lower as this approach assumes that the physicians allow the study to identify eligible women from their patient lists based on their age and contraception status. Comparing the four year household recruitment numbers between the two groups of women targeted, although over twice as many households have to be initially targeted for contact when women not seeking pregnancy are ineligible for enrollment, about 77 percent fewer women are actually enrolled (113,990 vs. 504,510) and tracked to obtain 100,000 enrolled live births.

The initial enrollment rate, the length of the recruitment period, and the pregnancy/contraception status of women targeted for enrollment impact the estimates significantly. Across all recruitment options, estimating an average 60 percent rate for initially enrolling women in the study instead of an 80 percent rate while holding all other variables constant increases the estimated number of households/women targeted by approximately one-third. In the household approach, the increases are 32.5 percent and 30.8 percent for the all women and CP/CSP only options. Because we thought it possible that CP/CSP women may have a significantly higher initial enrollment rate than the other women, we investigated an alternative option with a combination of the .85 rate for CP/CSP women and the .595 rate for CCU/Others. For the three year recruitment period, this option estimated very close to the average number of households targeted of the comparable 60 percent and 80 percent options. See Table F1 in Appendix F for the detailed results of the alternative option.

Table 1. Summary of Number of Households/Women That Need to be Targeted, Contacted, and Enrolled in the Recruitment Process to Obtain 100.000 Live Births

Sampling	Pregnancy Status	Initial	# of Households/	# of Women	# of Women
Approach	of Women	Enrollment	Women Initially Targeted	Contacted	Enrolled
	Targeted	Rate			
			cruitment Period		
	All	80 %	1,741,434	848,688	679,345
Household		60 %	2,304,195	1,122,949	674,291
	CP & CSP	80 %	3,053,322	1,488,036	125,672
	01 00 001	60 %	3,992,806	1,945,894	125,672
	80% CP, 20% CSP	80 %	157,040	149,188	126,810
Physicians'	•	60 %	205,359	195,092	126,810
Offices	80% CP, 10% CSP,	80 %	278,609	264,678	217,451
	10% CCU/Other	60 %	368,430	350,009	217,451
		4-Year Re	cruitment Period		
	All	80 %	1,293,263	630,272	504,510
Household	All	60 %	1,714,209	835,420	501,640
Household	CP & CSP	80 %	2,769,487	1,349,710	113,990
	Cr & CSr	60 %	3,621,637	1,765,005	113,990
	80% CP, 20% CSP	80 %	146,398	139,079	118,217
Physicians'	0070 C1 , 2070 C51	60 %	191,444	181,871	118,217
Offices	80% CP, 10% CSP,	80 %	219,908	208,913	172,696
	10% CCU/Other	60 %	290,227	275,716	172,696
		5-Year Re	cruitment Period		
	All	80 %	1,045,711	509,627	407,939
Household	All	60 %	1,387,466	676,181	406,023
Household	CP & CSP	80 %	2,559,866	1,247,551	105,362
	CF & CSF	60 %	3,347,517	1,631,412	105,362
	80% CP, 20% CSP	80 %	138,226	131,315	111,617
Physicians'	00/0 C1 , 20/0 CSF	60 %	180,757	171,719	111,617
Offices	80% CP, 10% CSP,	80 %	210,444	199,922	165,212
	10% CCU/Other	60 %	277,767	263,878	165,212

Within the household model, extending the recruitment period by one year from three years to four years reduces the estimated number of households sampled by 26 percent when all women are targeted and 9 percent when only CP and CSP women are targeted. Similarly, extending the recruitment period by two years (from three to five years) reduces the estimated household sample size by 40 percent when all women are targeted and 16 percent when only CP or CSP women are targeted. Within the physician's office model, extending the recruitment period from three years to four years reduces the estimated number of women targeted by 6.8 percent when only CP or CSP women are considered and 21 percent when all women are targeted (in the proportions cited in Table 1). Likewise, extending the recruitment period from three years to five years reduces the estimated size of women targeted by 24.5 percent when all women are targeted and 12 percent when only CP or CSP women are targeted.

We explored an additional recruitment option that represented a *full community approach* in which the study attempts to enroll all women from pre-selected geographic areas. In this option, 50,000 births originated from a group of women who are assumed to initially self-contact or

volunteer for the study after an aggressive advertising campaign and who are enrolled over the first six months of the recruitment period, and another 50,000 births originated from a group of women contacted via door-to-door visits in Months 7 through 12. Higher initial enrollment rates were assumed for the women who take the initiative to contact the study. For the door-to-door sampling that occurs after the self-reporting women are enrolled, a lower rate of women per household (.40) is utilized to account for the fact that many households with age-eligible women from the community have already been identified. The results of this full community approach are similar to those found in the household recruitment approach, with fewer households having to be targeted (2.5 percent less) and fewer women contacted (4.8 percent less), but slightly more women needing to be enrolled (0.5 percent). See Appendix A for more details on this approach and Appendix F for the detailed results of the approach.

When interpreting these estimates, users should keep in mind the many assumptions that fed into the results. For example, in the case of the Live Birth Enrollment rate, we used the 94 percent estimate for enrolling of infants upon birth developed in the Westat 2002 report; however, that report cited that this rate "may be somewhat optimistic and can probably only be met if the exam places very little burden on the mothers." Additional analyses using the five-year, household recruitment approach as an example revealed that decreasing the Live Birth Enrollment rate from 94 to 90 percent increases the estimate of number of women needing to be contacted by 5.1 percent, and decreasing the rate to 80 percent increases the estimate by 20 percent.

IV. AMOUNT OF PRE-PREGNANCY INFORMATION AVAILABLE

Another important outcome of the recruitment is the amount of pre-pregnancy information that could potentially be obtained. Because there is not a targeted minimum number of live births for which pre-pregnancy information should be gathered, we cannot make specific statements regarding the number of women from which pre-pregnancy measures would have to be collected. The models for estimating the number of women contacted and enrolled, however, do reveal the number of women in the various recruitment strategies for which pre-conception measures will be available. These include women enrolled prior to pregnancy and women enrolled alreadypregnant who can be tracked following enrollment of a first child. Table 2 reports these data for a four-year recruitment period, as well as the number of live births resulting from women able to be tracked pre-pregnancy. Note that not all women who enroll a first birth are considered available for a second pregnancy, as conceptions need to be identified by ten months prior to the end of the window for obtaining live births. Using the four year recruitment as an example, we estimated that 75 percent of first enrolled study births from the CSP, CCU, and Other groups would occur in time for the women who gave birth to be available for second pregnancy tracking. Similarly, within the Physician's office model, we estimated that 75 percent of first enrolled births by women who were already pregnant would be delivered in time for the women to be available for preconception measures on a second pregnancy. A higher yield would be achieved if the women available for second pregnancy tracking were only those who delivered their first child earlier in the study, such as within the first 30 or 36 months.

Table 2. Preconception Information Available, Four Year Recruitment

Sampling	Women	Women Av Preconception		Women Tracked for a Second Pregnancy		
Approach	Targeted	# of Women Available	# of Births Resulting	# of Women Available	# of Births Resulting	
Household	All	494,420	77,177	73,084	8,486	
Household	CP/CSP	105,116	38,175	79,191	13,152	
Dhysician's	All (80/10/10)	146,973	26,662	67,686	8,200	
Physician's Offices	CP/CSP (80/20)	86,184	26,662	67,410	8,540	

In the household recruitment approach targeting all women and following them over the four-year period of recruitment, 15.6 births result from each 100 women available for pre-conception measurement (77,177/494,420 from Table 2). When women not seeking pregnancy are excluded from enrollment, the rate of births resulting from women available for pre-conception measures increases to 36.3 per 100. This increase is from the larger percentage of births from women seeking to become pregnant at enrollment. The rates are similar in the Physician's Office Model – 18.1 per 100 when all women are included in the enrollment and 30.9 per 100 when women not seeking pregnancy are excluded. Focusing just on the women who enroll a first child in the study and have sufficient time to conceive again in the recruitment period, we see lower rates of live births resulting – 11.6 and 16.6 per 100 from the household approaches targeting all women and CP/CSP women, respectively; and 12.1 and 12.7 per 100 for the comparable groups of targeted women under the Physician's Office Model.

APPENDIX A

DETAILS ON THE PROBABILISTIC MODELS USED TO GENERATE ESTIMATES OF THE SAMPLE SIZE OF WOMEN NEEDED FOR 100,000 LIVE BIRTHS

I. INPUTS TO PROBABILISTIC MODELS

Recruitment Guidelines

Study recruitment parameters that could vary include:

- Age-eligible women The age range of the population of women targeted for recruitment could change. For purposes of this exercise, we assume that the population of interest for initial recruitment is women aged 15 to 44 years old. We assume that women are dropped from the study as they reach 45 years of age.
- Pregnancy Status Should all age-eligible women be recruited or should recruitment focus on women already pregnant or those seeking to become pregnant? Because women currently on contraception or not trying to become pregnant will have lower conception rates and a larger percentage of those who do conceive may terminate the pregnancy, this population will yield fewer live births. On the other hand, women in this group may display different pre-conception and early pregnancy behavior and encounter different environmental influences, thus their involvement in the study would be beneficial. For this exercise, we model options where all women are enrolled regardless of current pregnancy/contraception status and options where women not seeking pregnancy are excluded.
- Length of recruitment period The length of both the initial contact period and the full recruitment period impacts the number of live births that result. For purposes of this report, we assume that initial enrollments will occur uniformly over a one-year period (except current pregnancies in the Physician's Office Model) and that the full recruitment period is either three, four, or five years plus three months. All live births would occur in a three, four, or five year window of time beginning with the fourth month of the recruitment period. In the Physician's Office Model, already-pregnant women can be enrolled through Months 29, 41, and 53 under the three timeframes, respectively. This provides women in their first month of pregnancy at enrollment with sufficient time to deliver by the end of the recruitment period.

Initial Recruitment and Follow-up Rates

There are a number of recruitment stages at which sampled women could be lost. We estimated probabilities for each stage.

- Occupancy rate Westat (2002) gives the occupancy rate of households being surveyed as 88 percent. The U.S. Decennial 2000 Census shows that there are 105,480,101 occupied units out of a total of 115,904,641 Housing Units. This puts the occupancy rate closer to 91 percent. We chose to assume an occupancy rate of 90 percent, which we held constant across all household recruitment options.
- Contact rate There will be sampling loss from inability to contact or screen people in the households targeted for sampling. The 2002 Westat report utilized a general household contact rate, or screening response rate, of 95 percent. The Westat report mentions that 95 percent is possible if information from neighbors is used to determine presence of age-eligible women in households unable to be contacted directly. For this

- exercise, we assume that a 95 percent contact rate is possible given enough return visits, although lower rates may need to be considered if the cost of obtaining the 95 percent rate is determined to be too high.
- Age eligible women per Household Census 2000 data reports that there are approximately 568 15-44 year old women per every 1,000 households. For this exercise, we used a rate of .57 per household. A suggestion for being able to achieve a higher rate is to potentially assign certain geographic areas with higher rates of age-eligible women per household higher weights for sampling in order to achieve a higher yield; however, review of Census 2000 data at the Place level (24,047 small towns, cities, villages, etc.) indicates .57 is at the 78th percentile of the distribution of age-eligible women per household (Figure 1 displays the distribution). Thus, it may not be reasonable to expect to achieve a rate much higher than .57.

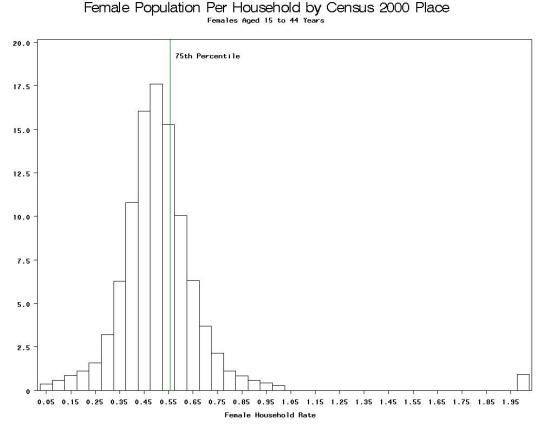


Figure 1. Distribution of Number of 15-44 Year Old Women Per Household by Census Place

• <u>Initial Enrollment Rate</u> – Of the eligible women successfully contacted, not all will agree to participate, especially given the long-term nature of the study and potentially invasive sampling and questions. Westat (2002) assumed this initial enrollment rate, or commitment to respond in the next 3-5 years if conception occurs, to be 80 percent. This is comparable to a couple of past studies. The first is NSFG Cycle III (1982) which was also an extended response interview situation. Cycle III achieved a response rate of 83.5 percent. (see Bachrach et al., 1985) Note that the current Cycle VI is not available, and Cycle IV (1988-90) and Cycle V (1995) were sub-samples of NHIS, making comparisons

to more recent NSFG Cycles inappropriate. The other extended interview survey to which this enrollment rate can be compared is the National Household Survey of Drug Abuse (NHSDA), performed between 1993 and 1998. Sample response rates varied between 77-81 percent for the NHSDA (see Chromy et al, 1999). It may be inappropriate to compare to either NSFG or NHSDA since a woman may not be as likely to commit to an extended interview type of survey as they are to enroll in an extended interview situation which also requires medical testing, etc. For this exercise, we targeted two levels of average initial enrollment rates – 80 percent as the higher bound and 60 percent as the lower bound. We also assumed that higher enrollment rates would be achieved with CP and CSP women than with the other two groups not seeking pregnancy. In the 80 percent model, estimated enrollment rates of CP and CSP women are set at 85 percent while enrollment rates for CCUs and Others are set at 79.5 percent, resulting in the 80 percent average. Similarly, in the 60 percent average enrollment rate option, the two levels are set at 65 and 59.5 percent.

Attrition Rate - There will also be attrition of women between initial enrollment and the end of the recruitment period. This attrition could come at any time - prior to a first study pregnancy, during a monitored pregnancy, or after enrolling a first child in the study. In general, we targeted a 10 percent attrition rate over the three-year recruitment period. Additionally, we assumed that CP and CSP women would be less likely to drop out of the study because they are more involved in it and are more likely to actually be receiving benefits from participating, whereas women not seeking to become pregnant might feel less attachment to the study. To address this assumption, we set the monthly attrition rate for CP and CSP women to .0015 and for CCU and Other women to .0035. Over a threeyear recruitment period, this amounts to approximately 4.8 and 10.8 percent attrition rates, respectively, with a weighted average of approximately 10.1 percent. The fouryear and five-year recruitment options yielded overall attrition rates of approximately 13.6 and 16.9 percent, respectively. For the recruitment options enrolling only CP and CSP women, the four and five year attrition rates were approximately 6.5 and 8.1 percent. Additionally, women who reached age 45 were dropped out of the study. The percent of the women dropped over the course of the follow-up period for this reason ranges from approximately 6.4 percent in the three-year recruitment to 17.5 percent in the five-year recruitment.

Pregnancy Prevalence

Regarding the calculation of enrolled pregnant women, there are a number of factors we had to consider – pregnancy and/or contraception status at enrollment, rate of movement between pregnancy/contraception status categories over time, pregnancy rate for each contraception status group, and induced abortion and fetal loss rates for enrolled women.

To estimate the percent of women that will be pregnant when initially contacted for the study (P1), we used the 1999 CDC National Vital Statistics (see Ventura et al, 2003) reporting number of pregnancies, live births, induced abortions, and fetal losses by age group. These data are shown in Table A1. A kernel smoothing algorithm was used to estimate the number of livebirths, fetal losses, and induced abortions for each year-month age-category. For each age group, we calculated the percentage of women expected to be pregnant based on the number of live births, fetal losses, and induced abortions expected to occur over the next 10 months (six months

for abortions). Applying that assumption to the 25-29 year old group as an example, we calculated that 10.33 percent of women in this age group would be pregnant upon enrollment.

Table A1. Pregnancy, live birth, induced abortion, and fetal loss rates (per 1,000 women) by age for 15-44 year olds, 1999

Pregnancy	Total		Age of Woman							
Outcomes	Total	15-19	20-24	25-29	30-34	35-39	40-44			
All Pregnancies	99.9	86.7	176.2	166.6	126.6	63.8	14.4			
Live Births	63.5	48.8	107.9	111.2	87.1	37.8	7.8			
Induced Abortions	20.5	24.7	46.4	31.7	18.3	9.7	3.2			
Fetal Losses	15.9	13.2	21.8	23.7	21.3	16.3	3.3			

Source: National Vital Statistics Reports, Vol. 52, No. 7

To distribute the remaining non-pregnant women into groups based on their contraception status, we used data from the 1995 NSFG (see Table A2) in combination with the calculated currently pregnant rates. Percent of women seeking pregnancy (P2) and percent currently using contraception (P3) were taken directly from the data in Table A2. The percent of women not using contraception (P4) but not seeking to become pregnant was calculated as 1-P1-P2-P3.

Table A2. Percent distribution of women 15-44 years of age by current contraception status according to age at interview, US, 1999

Contraceptive Status	Total			Age of '	Woman		
Contraceptive Status	Total	15-19	20-24	25-29	30-34	35-39	40-44
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Using contraceptives	64.2	29.8	63.4	69.3	72.7	72.9	71.5
Not using contraceptive	35.8	70.2	36.6	30.7	27.3	27.1	28.5
Seeking Pregnancy	4.0	0.9	3.4	6.1	6.2	4.6	2.2

Source: NSFG, Series 23, No. 19, Table 41

The information in Tables A1 and A2 allow us to categorize women by their pregnancy or contraception status at initial enrollment. A complicating factor in estimating pregnancy rates for each category of women, however, is that over time the enrolled women will move between categories. Thus, had we estimated a very high conception rate for those women who are CSP at enrollment and a relatively low rate for women who are CCUs at enrollment and held those constant, we would not have reflected the fact that over time women do change categories. To account for the expected movement of women between contraception-status categories, we developed a transition matrix for each age group to better predict pregnancies that would result over time from the initial group of enrolled women.

An additional input utilized by the transition matrices is the percent of pregnancies identified as "intended," i.e., those attributable to women seeking pregnancy, which also is available from the 1999 NSFG. Table A3 reports the percent of pregnancies identified as Intended, Mistimed, and Unwanted by age group. We used these data to establish the number of new pregnancies that would originate from the group of women in the CSP category. To distribute "unintended" pregnancies (i.e., Mistimed + Unwanted) between the CCU and Other contraception groups, we considered contraception failure rates, but use of published failure rates were inconsistent with the number of pregnancies identified as unintended by the NSFG. Thus, we made a simplifying assumption that Unwanted pregnancies originate from CCUs and Mistimed pregnancies originate

from the Other category, those not on contraception but not seeking pregnancy. Sensitivity analyses were performed to assess the impact of allowing 25 to 50 percent of Mistimed pregnancies to originate from the CCU category. These analyses revealed that this assumption had minimal impact on the results corresponding to the number of women that need to be contacted and enrolled for the study (<.1 percent change when attributing either 25 or 50 percent of Mistimed pregnancies to the CCU group).

Table A3. Percent distribution of births to women 15-44 years of age by wantedness status at conception, US, 1999

Wantedness Status	Total	Age of Woman						
w anteuness Status	Total	15-19	20-24	25-29	30-44			
Total	100.0	100.0	100.0	100.0	100.0			
Intended	69.0	34.3	61.1	77.8	80.1			
Mistimed	21.6	54.5	30.9	13.3	9.7			
Unwanted	9.1	10.6	7.7	8.9	9.8			

Source: NSFG, Series 23, No. 19, Table 14

Table A4 illustrates the conceptual transition matrix developed to estimate movement between contraception status categories from Month m to Month m+1. Each cell represents the probability of being in a particular pregnancy/contraception status given that a woman was in another specified category the previous month. For example, P_{11} is the probability of being pregnant in Month m+1 given that a woman was pregnant in Month m. A general principle supporting the use of this matrix is that the group of women currently seeking pregnancy is constantly refreshed from women previously in the CCU or Other categories so that the percentage of women trying to become pregnant remains stable. Likewise, the conditional probabilities depicted in Table A4 were calculated in a manner that maintains the age-specific probabilities of being in the CP, CSP, CCU, and Other categories. Thus, our approach yielded 360 unique transition matrices (one for each month of transition from age 15 to 45 inclusive). We assumed that the age-specific marginal probabilities of being in all four categories (CP, CSP, CCU, and Other) would remain relatively stable in the U.S. population over the relatively short period of time (three to five years) for which the pregnancy model was estimating pregnancy/contraception status for the NCS (i.e. that the population demographics estimated based on current data will be reasonably accurate for the period when recruitment for the NCS initiates).

Table A4. Conceptual Pregnancy Status Transition Matrix, Month m to Month m+1

Pregnancy/		Pregnancy/Contraception Status, Month m							
Contraception	СР	CSP	CCU	Other					
Status, Month m+1	Cr	CSF	CCU	Oulei					
CP	$P(CP_{m+1} CP_m)=P_{11}$	$P(CP_{m+1} CSP_m)=P_{12}$	$P(CP_{m+1} CCU_m)=P_{13}$	$P(CP_{m+1} Other_m)=P_{14}$					
CSP	$P(CSP_{m+1} CP_m)=P_{21}$	$P(CSP_{m+1} CSP_m)=P_{22}$	$P(CSP_{m+1} CCU_m)=P_{23}$	$P(CSP_{m+1} Other_m)=P_{24}$					
CCU	$P(CCU_{m+1} CP_m)=P_{31}$	$P(CCU_{m+1} CSP_m)=P_{32}$	$P(CCU_{m+1} CCU_m)=P_{33}$	$P(CCU_{m+1} Other_m)=P_{34}$					
Other	$P(Other_{m+1} CP_m)=P_{41}$	$P(Other_{m+1} CSP_m)=P_{42}$	$P(Other_{m+1} CCU_m)=P_{43}$	$P(Other_{m+1} Other_m)=P_{44}$					
Marginal Total	1.0	1.0	1.0	1.0					

To reflect appropriately-timed live birth, fetal loss, and induced abortion rates by dropping women out of the currently pregnant category at different points in time during pregnancy, the

CP category was separated into 10 subgroups representing the ten months of pregnancy. Individual probabilities were developed for moving women from each month of pregnancy to the next. We made a number of assumptions in order to develop probabilities for each transition matrix. These assumptions include:

- 1. Fetal losses occur from the second to the ninth month of pregnancy. Women suffering a fetal loss will move from the relevant monthly CP group in Month m to the group they originated from prior to pregnancy. We did not attribute any fetal losses to the first month of pregnancy because we assume that most of the Month 1 fetal losses would not be recognized as a pregnancy by the woman. We did not have data on which to develop age-specific distributions of fetal losses over month of pregnancy. Using a few different references, we used a distribution of 60, 25, 10, 3, .5, .5, and .5 percent across the eight months of pregnancy from which fetal losses are taken. (Hoesli et al. 2001, Macklon et al. 2002, Simpson 1990) Note that changing this assumption to a more simple assumption that all fetal losses occur in the first month of pregnancy has only a minor effect on results, e.g., requiring .05 percent less women to be contacted and enrolled in the five-year, all women, household recruiting approach.
- 2. All induced abortions occur between the second and sixth months of pregnancy and shift women from the relevant monthly CP group in Month m to CCU in Month m+1. The distribution across months is based on data from the CDC 2000 Abortion Surveillance report. The percent attributed to Month 2 ranges from 48 to 66 percent across primary age groups, while the cumulative percent attributed to Months 2 and 3 ranges from 83 to 91 percent.
- 3. A woman in the tenth month of pregnancy in Month m is assumed to deliver a live birth and shift into Other in Month m+1, unless the birth is not enrolled. In that case, the woman will shift to Dropped Out in Month m+1.
- 4. A woman is equally likely to seek pregnancy in Month m+1 given that they are in CCU or Other in Month m, i.e., P₂₃=P₂₄.
- 5. A woman is equally likely to move to the CCU or Other categories in Month m+1 given that they are CSP in Month m, i.e., $P_{32}=P_{42}$. These two rates are set to 0.04. Although we did not locate data to establish this rate, our thinking was that most women who decide to try to become pregnant will continue trying. To evaluate the sensitivity of this assumption, we set both rates at .02 for the five year, all women, household recruiting approach. This change led to a 0.17% decrease in the number of women needing to be contacted and enrolled.
- 6. Of women using contraception in Month m, two percent will shift to not using contraception but not seeking pregnancy in Month m+1 [P(Other_{m+1}|CCU_m)]. Again, we did not identify a data source to use for setting this rate, but we assumed it would be a small fraction. To check the sensitivity of this assumption, we ran iterations of the five year, all women, household recruiting approach with this rate set at .01, .03, and .05. Very small differences were seen in the number of women needing to be contacted and enrolled a .05 percent increase at the .01 rate, a .01 percent decrease at the .03 level, and a .02 percent decrease at the .05 level.

Table A5 contains a sample transition matrix for two consecutive year-month age groups. This sample matrix illustrates how the Currently Pregnant category is split into ten groups representing each month of pregnancy. The percentage of women moving from one month of

pregnancy to the next depends upon the percentage of women dropping out of pregnancy status because of fetal losses and induced abortions. Each Year-Month age category has a calculated distribution of women across the four pregnancy/contraception status categories – CP, CSP, CCU, and Other. For example, the fraction of women seeking pregnancy in Month m of Table A6 matches the percentage of women seeking pregnancy calculated from the age-group level NSFG data. Table A6 reports how the transition matrix probabilities shown in Table A5 translate into actual numbers of women when 100,000 women are assumed to be in each age group to start. For the 23 years-1 month age category, the percentages of women in the four primary pregnancy/contraception status categories in Month m+1 are 10.9 percent CP, 3.8 percent CSP, 65.5 percent CCU, and 19.8 percent Other, which are consistent with the data from Tables A1 and A2 above.

Tables A5 and A6 also allow the effect of the assumptions listed above to be inspected. In Table A6, the shaded cells for $CCU_{m+1}|CSP_m$ and $Other_{m+1}|CSP_m$ contain the same number of women (reflecting the fact that we assumed that women who stop trying to become pregnant are equally likely to move into either of the two other non-pregnant categories. Also, since we assume that women in the CCU and Other groups are equally likely to begin seeking pregnancy (with 1.4 percent of each group in this age category transitioning each month), the ratio of women moving from these groups into the CSP category is equal to the ratio of total women in these categories (e.g., 917.79/283.54 is equal to 65,232.42/20,152.59.

Table A5. Transition Matrix Probabilities for Two Consecutive Year-Month Age Categories

Preg./Cont.		<u> </u>	111110000	THE STOP				on Status,					
Status, Month m+1	CP1	CP2	СР3	CP4	CP5	CP6	CP7	CP8	CP9	CP10	CSP	CCU	Other
	Age Category 23 Years, 1 Month												
CP1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.25905	.00178	.02175
CP2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP3	0.0	.78087	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP4	0.0	0.0	.86003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP5	0.0	0.0	0.0	.95695	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP6	0.0	0.0	0.0	0.0	.97697	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP7	0.0	0.0	0.0	0.0	0.0	.99424	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP8	0.0	0.0	0.0	0.0	0.0	0.0	.99903	0.0	0.0	0.0	0.0	0.0	0.0
CP9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.99903	0.0	0.0	0.0	0.0	0.0
CP10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.99903	0.0	0.0	0.0	0.0
CSP	0.0	.04662	.02483	.01153	.00361	.00061	.00062	.00062	.00062	0.0	.66095	.01407	.01407
CCU	0.0	.15139	.10390	.02630	.01779	.00486	.00007	.00007	.00007	0.0	0.04	.96415	.10061
Other	0.0	.02111	.01124	.00522	.00163	.00028	.00028	.00028	.00028	1.0	0.04	.02	.86357
Marg. Total	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
						Category 2							
CP1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.25724	.00178	.02185
CP2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP3	0.0	.78080	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP4	0.0	0.0	.86038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP5	0.0	0.0	0.0	.95709	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP6	0.0	0.0	0.0	0.0	.97710	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP7	0.0	0.0	0.0	0.0	0.0	.99428	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CP8	0.0	0.0	0.0	0.0	0.0	0.0	.99903	0.0	0.0	0.0	0.0	0.0	0.0
CP9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.99903	0.0	0.0	0.0	0.0	0.0
CP10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.99903	0.0	0.0	0.0	0.0
CSP	0.0	.04699	.02502	.01161	.00363	.00062	.00062	.00062	.00062	0.0	.66276	.01420	.01420
CCU	0.0	.15131	.10347	.02614	.01765	.00482	.00007	.00007	.00007	0.0	0.04	.96403	.10243
Other	0.0	.02090	.01113	.00516	.00162	.00028	.00028	.00028	.00028	1.0	0.04	.02	.86153
Marg. Total	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Table A6. Transition Matrix Realization for Two Consecutive Year-Month Age Categories, 100,000 Women

	Pregnancy/Contraception Status, Month m													
Preg./Cont.						Pregnanc	cy/Contrac	eption Sta	tus, Montl	n m				
Status,	CP1	CP2	CP3	CP4	CP5	CP6	CP7	CP8	CP9	CP10	CSP	CCU	Other	Total
Month m+1						'			1					
CD1	I o	I o	10	10	1	Age Catego	T T	1	1	10	067.04	116.42	120.22	1522.60
CP1	0	0	0	0	0	0	0	0	0	0	967.94	116.43	438.32	1522.69
CP2	1520.78	0	0	0	0	0	0	0	0	0	0	0	0	1520.78
CP3	0	1185.82	0	0	0	0	0	0	0	0	0	0	0	1185.82
CP4	0	0	1018.3	0	0	0	0	0	0	0	0	0	0	1018.28
CP5	0	0	0	972.39	0	0	0	0	0	0	0	0	0	972.39
CP6	0	0	0	0	947.698	0	0	0	0	0	0	0	0	947.698
CP7	0	0	0	0	0	939.671	0	0	0	0	0	0	0	939.671
CP8	0	0	0	0	0	0	935.987	0	0	0	0	0	0	935.987
CP9	0	0	0	0	0	0	0	932.143	0	0	0	0	0	932.143
CP10	0	0	0	0	0	0	0	0	928.137	0	0	0	0	928.137
CSP	0	70.8	29.39	11.71	3.5	.581	.579	.576	.574	0	2469.63	917.79	283.54	3788.67
CCU	0	229.9	123.02	26.72	17.253	4.596	.07	.069	.069	0	149.46	62893.55	2027.56	65472.27
Other	0	32.06	13.31	5.3	1.585	.263	.262	.261	.260	924.864	149.46	1304.65	17403.17	19835.45
Marg. Total	1520.78	1518.58	1184.0	1016.13	970.036	945.111	936.898	933.050	929.039	924.864	3736.49	65232.42	20152.59	100,000
						Age Catego	ry 23 Year	s, 2 Month	ıs					
CP1	0	0	0	0	0	0	0	0	0	0	974.59	116.38	433.36	1524.32
CP2	1522.69	0	0	0	0	0	0	0	0	0	0	0	0	1522.69
CP3	0	1187.43	0	0	0	0	0	0	0	0	0	0	0	1187.43
CP4	0	0	1020.3	0	0	0	0	0	0	0	0	0	0	1020.25
CP5	0	0	0	974.58	0	0	0	0	0	0	0	0	0	974.58
CP6	0	0	0	0	950.123	0	0	0	0	0	0	0	0	950.123
CP7	0	0	0	0	0	942.28	0	0	0	0	0	0	0	942.28
CP8	0	0	0	0	0	0	938.757	0	0	0	0	0	0	938.757
CP9	0	0	0	0	0	0	0	935.077	0	0	0	0	0	935.077
CP10	0	0	0	0	0	0	0	0	931.237	0	0	0	0	931.237
CSP	0	71.46	29.67	11.83	3.534	.587	.584	.582	.58	0	2510.99	929.49	281.6	3840.91
CCU	0	230.12	122.7	26.61	17.161	4.57	.07	.069	.069	0	151.55	63116.96	2031.74	65701.61
Other	0	31.78	13.19	5.26	1.572	.261	.26	.259	.258	928.137	151.55	1309.45	17088.76	19530.72
Marg. Total	1522.69	1520.78	1185.8	1018.28	972.39	947.698	939.671	935.987	932.143	928.137	3788.67	65472.27	19835.45	100,000

Enrollment of a first child with the study is tracked as well as enrollment of subsequent children in the study. In the pregnancy estimation model, women who enroll a first study birth move into the category of women not on contraception but not seeking pregnancy. From this group, they then re-enter the transition matrix with the same probabilities of moving between categories as women who have not yet had a first study pregnancy or birth. The detailed output from the pregnancy estimation model is included in Appendices B through F.

Enrollment of Live Births

Additional women and potential live births will be lost between conception and enrollment of a live birth – some during pregnancy via attrition or failure of the pregnancy and some by declining to allow their child to participate upon birth. The previously-cited Attrition rate is applied continuously to all women remaining in the study, both pregnant and non-pregnant. Thus, it accounts for attrition of women across the entire period of recruitment. Application of the fetal loss and induced abortion rates in the pregnancy model removes additional pregnancies that do not result in live births. In addition, we also factor in incidence of multiple birth events and the number of children resulting from those events, as well as a Live Birth Enrollment rate that accounts for enrolled women delivering a child but choosing not to enroll the child.

- <u>Live Birth Enrollment Rate</u> Westat (2002) estimated that 94 percent of live births from participating mothers will result in an initial infant exam/enrollment. The Collaborative Perinatal Project study in the 1960's reported about 97 percent. Cycle III of NHANES where there was both center and home exams had a range of 94-97 percent. For this exercise, we assumed a 94 percent live birth enrollment rate. We used this rate for both first live births and subsequent live births. In the case of subsequent live births, we assume that all women who enroll first live births remain available to the study for second pregnancy tracking.
- Multiple Birth Multiplier Another factor considered in our models is the incidence of multiple births. Based on the average number of children per birth event from the 2002 National Vital Statistics birth data, we applied the multipliers in Table A7 to all live births to estimate the effect of multiple-birth pregnancies. Note that the incidence of multiple births increases across all age groups. The rates by age group were smoothed to estimate multipliers for exact year-month age categories.

Table A7. Multiple Birth Multipliers by Age Group

Age Groups	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44
	years	years	years	years	years	years
Multiple Birth Multiplier	1.0082	1.0117	1.0158	1.0219	1.0273	1.0297

(d) Table 50. Martin et al. Births: Final Data for 2002. National Vital Statistics Reports, Vol. 52. No. 10. December 17, 2003

II. CORRECTION FACTORS FOR SPECIFIC SAMPLING APPROACHES

To allow for differential rates of recruitment based on initial status, as well as the tracking of women who have more than one live birth event during the recruitment period, the probabilistic model tracks women in three separate classes:

- 1. Women enrolled in the study, but have not yet had a live birth event during the course of follow-up,
- 2. Women enrolled in the study, and have had a live-birth event in which the child was enrolled in the NCS (thus tracking women for a subsequent live birth event), and
- 3. Women who are not enrolled in the study (due to non-response, attrition, or sampling specific exclusion criteria)

Tracking women not enrolled in the NCS as part of this third class allows us to maintain the appropriate marginal probabilities of being in the CP, CSP, CCU and Other categories across the entire population, while also accounting for the effects of attrition, non-response and differential sampling. The same series of age-specific transition matrices are used to shift women from one category to another each month within each of the three classes.

The probabilistic model provides reasonably accurate projections for the number of women that need to be contacted and recruited using sampling approaches that attempt to recruit all age-eligible women from the population. However, in the sections that follow, we discuss a number of sampling approaches for consideration that recruit/enroll women based on their pregnancy/contraceptive status at first contact. For example, a number of sampling approaches focus on enrollment of women who are CP or CSP – while excluding women who in the CCU or Other categories.

Sampling approaches that apply differential rates of recruitment based upon initial status may in fact require different age-specific transition matrices for each class – mostly due to the fact that women who become pregnant from the CSP category are probably much less likely to have an induced abortion than women who become pregnant from the CCU or Other categories.

Development of class-specific transition matrices would have taken more time and effort than was permitted in this work assignment, and therefore we utilized an alternative approach that applies a correction factor to the results of the probabilistic model based on the sampling approach utilized.

The first part of this approach was to identify an appropriate multiplicative factor to apply to any disproportional subset of women enrolled in the study that would not seek induced abortion (i.e. the proportion of women in the CP/CSP categories that are sampled at a rate that is higher than would be observed in the general population). For example, this rate would apply to sampling strategies that only enroll currently pregnant women or women seeking pregnancy from physician's offices (presumably, any woman who is currently pregnant and is considering abortion would not join the study after being referred to the NCS by her physician). This rate would also apply to sampling strategies that oversample women in these two categories, while still enrolling some women from the CCU and Other categories.

The multiplicative factor is described in the following equation:

$$\sum_{i=1}^{360} \frac{\left[P(LB_i) + P(FL_i) + P(IA_i)\right]}{\left[P(LB_i) + P(FL_i)\right]} \bullet P(\text{Re } cruitment_i) \bullet \frac{P(LB_i)}{P(LB_{\bullet})},$$

where $P(LB_i)$, $P(FL_i)$ and $P(IA_i)$ are age-specific (by month) probabilities of having a live-birth, fetal loss, or induced abortion; $P(Recruitment_i)$ is the proportion of the study sample of women expected to be enrolled at age(i) [i=1,...,360 corresponds to the monthly increments from age 15 to 45], and $P(LB_i)$ is the average monthly probability of a live-birth event across all age groups.

This multiplicative factor was calculated at a value of 1.265, and represents the proportion of additional live-birth events that would be expected from any oversampled subset of the population that would not have induced abortions.

Interpreted a different way, we can divide the number of projected households and women sampled from any approach that exclusively enrolls women in the CP and CSP categories by 1.265 to correct for the assumption that these women will not have induced abortions. This correction factor was applied to all relevant sampling strategies presented in Table 1 of the main body of this report. Application of this multiplication correction factor comes with an implicit assumption that the fraction of NCS study participants that are initially oversampled from the CP and/or CSP categories would never seek an induced abortion. Refer to the following sections for more information related to the results of the probability model prior to application of this correction factor, as well as specific details on how the correction factor was applied (i.e., formulas for determining the fraction of CP/CSP that were oversampled).

III. APPLICATION OF CORRECTION FACTOR FOR OVERSAMPLING CP/CSP CATEGORIES

In the main body of the report, we provide a summary of the number of households/women initially targeted, contacted, and enrolled under a variety of different sampling approaches. These numbers are based on the results of applying the transition matrix based probability model after applying a correction factor to the fraction of women who were oversampled from the CP and CSP categories (because this subset of women would likely not seek induced abortions, and would therefore result in a higher yield of live births to the study than would be expected in the general population).

Table A8 below provides a similar summary to that presented in Table 1 of the main body – but represents numbers prior to the application of the multiplicative correction factor for oversampling CP and CSP women.

Table A8. Summary of Number of Households/Women That Need to be Targeted, Contacted, and Enrolled in the Recruitment Process to Obtain 100,000 Live Births – prior to application of the

multiplicative correction factor for oversampling CP and CSP Women

Sampling Approach	Pregnancy Status of Women Targeted	Initial Enrollment Rate	# of Households/ Women Initially Targeted	# of Women Contacted	# of Women Enrolled
		3-Year Red	cruitment Period		
	All	80 %	1,741,434	848,688	679,345
Household	All	60 %	2,304,195	1,122,949	674,291
Household	CP & CSP	80 %	3,862,401	1,882,341	158,973
	Cr & CSr	60 %	5,050,832	2,461,523	158,973
	80% CP, 20% CSP	80 %	198,653	188,720	160,412
Physicians'	80% CF, 20% CSF	60 %	259,776	246,788	160,412
Offices	80% CP, 10% CSP,	80 %	311,020	295,469	243,794
	10% CCU/Other	60 %	410,722	390,186	243,794
			cruitment Period		
	All	80 %	1,293,263	630,272	504,510
Household	7 111	60 %	1,714,209	835,420	501,640
Household	CP & CSP	80 %	3,503,355	1,707,360	144,195
	Cr & CS1	60 %	4,581,310	2,232,702	144,195
	80% CP, 20% CSP	80 %	185,191	175,932	149,542
Physicians'	0070 C1 , 2070 C51	60 %	242,173	230,064	149,542
Offices	80% CP, 10% CSP,	80 %	251,324	238,758	198,175
	10% CCU/Other	60 %	331,251	314,688	198,175
			cruitment Period		
	All	80 %	1,045,711	509,627	407,939
Household	7 111	60 %	1,387,466	676,181	406,023
Household	CP & CSP	80 %	3,238,187	1,578,131	133,281
	CI & CDI	60 %	4,234,553	2,063,709	133,281
	80% CP, 20% CSP	80 %	174,853	166,111	141,194
Physicians'	0070 C1 , 2070 CS1	60 %	228,654	217,222	141,194
Offices	80% CP, 10% CSP,	80 %	240,222	228,211	189,364
	10% CCU/Other	60 %	316,648	300,816	189,364

The multiplicative correction factor is applied to the fraction of women that are oversampled from the CP and CSP categories. The following bullets describe how the correction factor was applied:

- For Household Sampling Approaches that Target All Women, there is no need to apply any correction factor. The numbers in Table A8 above should identically match the numbers in Table 1 of the main body.
- For Household Sampling Approaches that Target Women only in the CP and CSP Categories, the numbers in Table A8 are divided by the multiplicative factor of 1.265 to account for the fact that these women are unlikely to undergo induced abortion. This same approach is used to adjust for the Physician's Office Approach that samples 80 percent of women from the CP category and 20 percent from the CSP category.
- For the Physician's Office Approach that includes 10 percent of the sample from the CCU/Other categories, we need to determine the fraction of the sample that is

oversampled from the CP/CSP categories. This fraction will be lower than the 90 percent that is sampled from the CP/CSP categories – because only a subset of this 90 percent is actually oversampled. To determine the fraction that is oversampled, we estimated that at any given time during initial recruitment, approximately 10 percent of the population would be in the CP/CSP categories and 90 percent would be in the CCU/Other Categories. To determine the fraction of CP/CSP women who are oversampled, we divide the number of women sampled from the CCU/Other categories by 0.9 (representing the number of women who are sampled proportionally from the population). The remainder of women sampled using this strategy are oversampled from the CP/CSP categories (and can be divided by 1.265 to appropriately account for the higher yield of live births because these women do not have induced abortions).

The numbers that appear in Table A8 above correspond to the output generated directly from the transition matrix-based probability model. Specific output from this model (prior to the application of the correction factor for oversampling) can be found in Appendices B through F.

IV. HOUSEHOLD SAMPLING APPROACH

Use of a household sampling frame for recruitment likely involves drawing a probability-based sample of primary sampling units (PSUs), secondary sampling units (SSUs), and households within those SSUs. The households would be selected without knowledge regarding the presence of age-eligible women. We estimated the number of households that would need to be targeted in this way to yield 100,000 live births. We generated estimates for six different household recruitment options and two levels of initial enrollment rates. Table A8 contains the required number of households to be targeted, the number of age-eligible women able to be contacted in those households, and the number of eligible women enrolled under each option. The detailed results of the probability models are in Appendices B and C. Appendix B contains the results from the recruitment options enrolling all women while Appendix C² contains the results of the options enrolling only CP and CSP women. Table A9 reports the number of 1st and subsequent births achieved by each pregnancy/contraception status group under each recruitment option with the 80 percent average initial enrollment rate (85 percent for the CP/CSP-only option). The 60 percent initial enrollment rate primarily impacts the models by increasing the number of households that need to be targeted and women that need to be contacted.

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² Appendix C represents the results of the probabilistic models prior to applying the correction factor described in Sections II and III.

Table A9. Number of Live Births in Household Recruitment Models by Initial Pregnancy/Contraception Status of Women and Study Birth Order*

P/C Status	1st/2nd Birth		All Women		СР	& CSP Wor	men
of Women	Distribution	3 Years	4 Years	5 Years	3 Years	4 Years	5 Years
	1st Births	29,856	22,823	18,885	66,218	61,825	58,480
CP	2nd Births	3,076	3,898	4,380	6,823	10,559	13,563
	Total	32,932	26,720	23,265	73,042	72,383	72,043
	1st Births	11,600	9,237	7,825	25,729	25,023	24,232
CSP	2nd Births	554	957	1,203	1,230	2,593	3,724
	Total	12,155	10,195	9,028	26,958	27,617	27,957
	1st Births	19,082	20,519	21,095	0	0	0
Other	2nd Births	555	1,485	2,517	0	0	0
	Total	19,637	22,004	23,613	0	0	0
	1st Births	34,594	38,935	40,280	0	0	0
CCU	2nd Births	681	2,146	3,814	0	0	0
	Total	35,276	41,081	44,094	0	0	0
	1st Births	95,133	91,514	88,086	91,947	86,848	82,712
Total	2nd Births	4,867	8,486	11,914	8,053	13,152	17,288
1.75	Total	100,000	100,000	100,000	100,000	100,000	100,000

^{*} Prior to application of correction factor described in Sections II and III.

V. PHYSICIAN'S OFFICE RECRUITMENT APPROACH

Another potential method for identifying women for recruitment into the study is to work through physicians' offices or clinics. The specific sampling mechanism by which the study would identify patients for recruitment under this option is not clear. It could happen in a number of ways, which impact the potential number of women that would need to be targeted for initial sampling. Alternatives we consider for this exercise assume that physicians would be able to make some information on patients available to the study. Two potentially critical pieces of information are a woman's age and her pregnancy/contraception status.

A constraint we placed upon these options that would capitalize on potential efficiencies afforded by the Physician's Office Model is that 80 percent of the live births enrolled would stem from women already pregnant when they are initially enrolled. Two options were considered for obtaining the other 20,000 live births. In one, all would come from women who were seeking pregnancy at enrollment. In the other, 10,000 births would come from CSP women while the other 10,000 would come from women who are avoiding pregnancy or current contraception users at initial enrollment. It may be important to include women in this category as they may encounter different environmental factors prior to becoming pregnant.

Table A8 reported the number of women that would need to be contacted in these options with a three, four, and five-year window for enrolling live births. Detailed results of the probability models are included in Appendices D and E (prior to the application of the correction factor described in Sections II and III. Appendix D contains the results of the recruitment approaches

enrolling all women with 80 percent of live births from CPs, 10 percent from CSPs, and 5 percent each from CCUs and Others. Appendix E contains the results of the recruitment options enrolling only CP and CSP women. Table A10 summarizes the number of 1st and subsequent births attributed to each pregnancy/contraception status group across the six recruitment options considered under the Physician's Office approach.

Table A10. Number of Live Births in Physician's Office Models by Pregnancy/Contraception Status of Women and Study Birth Order*

Preg/Contrac. Status of	1st/2nd Birth Distribution	80% C	P, 10% CSP, CCU/Other	10%	80% CP, 20% CSP			
Women	Distribution	3 Years	4 Years	5 Years	3 Years	4 Years	5 Years	
	1st Births	75,774	73,338	71,149	75,774	73,338	71,149	
CP	2nd Births	4,226	6,662	8,851	4,226	6,662	8,851	
	Total	80,000	80,000	80,000	80,000	80,000	80,000	
	1st Births	9,544	9,061	8,668	19,088	18,122	17,336	
CSP	2nd Births	456	939	1,332	912	1,878	2,664	
	Total	10,000	10,000	10,000	20,000	20,000	20,000	
	1st Births	4,859	4,662	4,467	0	0	0	
OTHER	2nd Births	141	338	533	0	0	0	
	Total	5,000	5,000	5,000	0	0	0	
	1st Births	4,903	4,739	4,568	0	0	0	
CCU	2nd Births	97	261	432	0	0	0	
	Total	5,000	5,000	5,000	0	0	0	
	1st Births	95,080	91,800	88,851	94,862	91,460	88,484	
Total	2nd Births	4,920	8,200	11,149	5,138	8,540	11,516	
	Total	100,000	100,000	100,000	100,000	100,000	100,000	

^{*} Prior to application of correction factor described in Sections II and III.

VI. FULL COMMUNITY RECRUITMENT APPROACH

Another potential recruitment approach under consideration is enrolling all eligible women in selected communities, e.g. 100 communities within 25 geographic regions. At this point, we have not completely formulated specific details how to generate estimates of women needing to be contacted under this approach. Recruitment for the full community approach may result in some prior information being available for a subset of women that contact the study, and other women having to be contacted via door-to-door enumeration visits. Thus, the estimation for this approach might be a combination of the Household and Physician's Office approaches. We developed an initial "full community" approach to illustrate how these results may differ from the Household and Physician's Office approaches. To generate these initial estimates, we assumed that half of the live births will originate from women whose age-eligibility and pregnancy/contraception status is known from them contacting recruiters, while the other half of the births stem from a household sampling approach that factors in the household vacancy rate, a contact rate, and a rate of age-eligible women per household.

For the women who contacted the study, we assume that they are enrolled in Months 1 through 6 of the recruitment period and tracked over the full four-year period. For the women who have to be identified via door-to-door visits, we assume that they are enrolled from Month 7 to Month 12 of the recruitment period and tracked throughout the time remaining so that, on average, these women are tracked for six fewer months than the women who contacted the study. Regarding initial enrollment rates, we assume that the self-reporting or volunteer women have an average 90 percent initial enrollment rate with CP/CSP women at 95 percent and CCU/Other women at 89.5 percent. Women contacted via household recruitment are assumed to have an 80 percent average initial enrollment rate – 85 percent for CP/CSP women and 79.5 percent for CCU/Other women.

Self-reporting of women to the study over the first six months of recruitment will lead to a lower rate of age-eligible women per household in the community when door-to-door contacts occur in the second six month period. To reflect this, we utilized a rate of .40 age-eligible women per household for the household recruitment group. If a community has 5,700 age-eligible women in 10,000 households, we assumed that approximately 2,850 would contact the study leaving another 2,850 women over approximately 7,150 households (if each of the first 2,850 women were in a separate household) for a rate of .40 women per household. Tables F2a through F2c in Appendix F contain the results for this approach over a four-year recruitment period. Table F2a contains the combined results while Table F2b contains the results for the self-reporting women and F2c contains the results for the women identified via door-to-door sampling. The overall results are quite similar to those found for the four-year, All Women, 80 percent average initial enrollment rate, household recruiting option presented in Table B3. In the Full Community approach, estimates of households required are about 2.5 percent lower; estimated number of women to be contacted is about 4.8 percent lower; and estimated number of women enrolled is .5 percent higher than the comparable household recruiting approach. Note that the higher number of enrolled women is likely caused by the shorter follow-up period for those women contacted via door-to-door sampling.

VII. <u>REFERENCES</u>

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APPENDIX B

DETAILED OUTPUT OF PROBABILISTIC MODELS FOR HOUSEHOLD RECRUITMENT MODEL OF ALL WOMEN

Table B1. Estimated Household Sample Size for Three-Year Recruitment Period of All Women with 80% Average Initial Enrollment Rate

Number of Households Sampled:	ed Pop. 132,884 128,523 131,026 140,292 158,246 157,718 848,688
Number of Households Sampled:	ed Pop. 132,884 128,523 131,026 140,292 158,246 157,718 848,688
Unit Occupation Rate:	132,884 128,523 131,026 140,292 158,246 157,718 848,688
Contact Rate: 0.95 20 to 24	128,523 131,026 140,292 158,246 157,718 848,688
Age-Eligible Women Rate: 0.57 25 to 29 Age-Eligible Women: 848,688 30 to 34 Number of Enrolled 1st Live Births 95,133 Number of Enrolled 2nd Live Births 4,867 Total Enrolled Live Births 100,000 Currently Pregnant (at enrollment) Enrolled Children: 1st Monitored Preg. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Subsequent Pregs. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Subsequent Pregs. (at birth age)	131,026 140,292 158,246 157,718 848,688
Age-Eligible Women:	140,292 158,246 157,718 848,688
Number of Enrolled 1st Live Births 95,133 4,867 Total Enrolled Live Births 100,000 Total	158,246 157,718 848,688 d LBs per
Number of Enrolled 2nd Live Births	157,718 848,688 d LBs per
Total Enrolled Live Births Total Total	848,688 d LBs per
Currently Pregnant (at enrollment) Currently Pregnant (at enrollment)	d LBs per
Age Group # of Women in Groups # of Women in Age Group # of Women Contacted # of Women Rate # of Women Enrolled Enrolled Children: Monitored Preg. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Enrolled 15 to 19 0.05349 7,072 0.85 6,011 3,184 134 20 to 24 0.1036 13,313 0.85 11,316 7,470 955 25 to 29 0.10329 13,528 0.85 11,499 8,209 1107 30 to 34 0.07736 10,798 0.85 9,179 6,724 673 35 to 39 0.0354 5,563 0.85 4,728 3,470 193	
Age Group Women in Groups # of Women Age Group Initial Enrollment Rate # of Women Enrolled Monitored Preg. (at birth age) Subsequent Pregs. (at birth age) Subsequent Pregs. (at birth age) Enrolled Enrolled 15 to 19 0.05349 7,072 0.85 6,011 3,184 134 20 to 24 0.1036 13,313 0.85 11,316 7,470 955 25 to 29 0.10329 13,528 0.85 11,499 8,209 1107 30 to 34 0.07736 10,798 0.85 9,179 6,724 673 35 to 39 0.0354 5,563 0.85 4,728 3,470 193	
Groups Age Group Contacted Rate Enrolled birth age) birth age) Enrolled 15 to 19 0.05349 7,072 0.85 6,011 3,184 134 20 to 24 0.1036 13,313 0.85 11,316 7,470 955 25 to 29 0.10329 13,528 0.85 11,499 8,209 1107 30 to 34 0.07736 10,798 0.85 9,179 6,724 673 35 to 39 0.0354 5,563 0.85 4,728 3,470 193	
15 to 19 0.05349 7,072 0.85 6,011 3,184 134 20 to 24 0.1036 13,313 0.85 11,316 7,470 955 25 to 29 0.10329 13,528 0.85 11,499 8,209 1107 30 to 34 0.07736 10,798 0.85 9,179 6,724 673 35 to 39 0.0354 5,563 0.85 4,728 3,470 193	d Woman
20 to 24 0.1036 13,313 0.85 11,316 7,470 955 25 to 29 0.10329 13,528 0.85 11,499 8,209 1107 30 to 34 0.07736 10,798 0.85 9,179 6,724 673 35 to 39 0.0354 5,563 0.85 4,728 3,470 193	
25 to 29 0.10329 13,528 0.85 11,499 8,209 1107 30 to 34 0.07736 10,798 0.85 9,179 6,724 673 35 to 39 0.0354 5,563 0.85 4,728 3,470 193	
30 to 34 0.07736 10,798 0.85 9,179 6,724 673 35 to 39 0.0354 5,563 0.85 4,728 3,470 193	
35 to 39 0.0354 5,563 0.85 4,728 3,470 193	
40 to 44 0.00782 1,261 0.85 1,072 800 14	
Age-Eligible Women: 51,535 43,805 29,856 3,076	0.752
Currently Seeking Pregnancy (at enrollment)	
% of Eligible Enrolled Children: 1st Enrolled Children:	
Age Women in # of Women Init. Enrollment # of Women Monitored Preg. (at Subsequent Pregs. (at Enrolle	
Groups Age Group Contacted Rate Enrolled birth age) birth age) Enrolled	d Woman
15 to 19 0.0090 1,277 0.85 1,085 339 9	
20 to 24 0.0340 4,397 0.85 3,737 1,613 117	
25 to 29 0.0610 7,817 0.85 6,645 3,181 214	
30 to 34 0.0620 8,597 0.85 7,307 3,518 162	
35 to 39 0.0460 7,201 0.85 6,121 2,254 49	
40 to 44 0.0220 3,501 0.85 2,976 694 4	
Age-Eligible Women: 32,789 27,871 11,600 554	0.436
Not on Contraception/Not Seeking Pregnancy (at enrollment)	
% of Eligible Enrolled Children: 1st Enrolled Children:	
Age Women in # of Women Init. Enrollment # of Women Monitored Preg. (at Subsequent Pregs. (at Enrolle	d LBs per
Groups Age Group Contacted Rate Enrolled birth age) birth age) Enrolled	d Woman
15 to 19 0.6395 85,180 0.795 67,718 5,017 60	
20 to 24 0.2284 31,395 0.795 24,959 7,294 292	
25 to 29 0.1427 18,610 0.795 14,795 3,172 143	
30 to 34 0.1336 19,203 0.795 15,266 2,042 47	
35 to 39 0.1896 30,160 0.795 23,978 1,197 12	
40 to 44 0.2552 40,343 0.795 32,072 361 1	
Age-Eligible Women: 224,891 178,788 19,082 555	0.110
Current Contraceptive Users (at enrollment)	
% of Eligible Enrolled Children: 1st Enrolled Children:	
Age Women in # of Women Init. Enrollment # of Women Monitored Preg. (at Subsequent Pregs. (at Enrolle	d LBs per
Groups Age Group Contacted Rate Enrolled birth age) birth age) Enrolled	d Woman
15 to 19 0.298 39,356 0.795 31,288 1,192 12	
20 to 24 0.634 79,418 0.795 63,138 7,389 187	
25 to 29 0.693 91,070 0.795 72,401 11,080 286	
30 to 34 0.727 101,694 0.795 80,847 9,332 157	
35 to 39 0.729 115,322 0.795 91,681 4,608 37	
40 to 44 0.715 112,613 0.795 89,528 993 2	
Age-Eligible Women: 539,473 428,881 34,594 681	

Table B2. Estimated Household Sample Size for Three-Year Recruitment Period of All Women with 60% Average Initial Enrollment Rate

	ollment Rat						
Recruitm	nent Period	d:	3 Years (all bi	rths by 39 n	nonths)	Women Recrui	ted: ALL
Estimate	d Initial Er	rollment R	ate:	60%	Distribution of	f Age-Eligible Wo	men by Age Group:
Number of	Households S	Sampled:		2,304,195		Age Groups	Sampled Population
Unit Occup	ation Rate:			0.9		15 to 19	175,827
Contact Ra	te:			0.95		20 to 24	170,056
Age-Eligible	Women Rate):		0.57		25 to 29	173,368
Age-Eligible	e Women:			1,122,949		30 to 34	185,628
Number of	Enrolled 1st L	ive Births		95,102		35 to 39	209,384
Number of	Enrolled 2nd L	ive Births		4,898		40 to 44	208,686
Total Enroll	ed Live Births			100,000		Total	1,122,949
			Curre	ntly Pregn	ant (at enrollme	nt)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	9,358	0.65	6,082	3,221	136	
20 to 24	0.1036	17,615	0.65	11,450	7,558	966	
25 to 29	0.10329	17,900	0.65	11,635	8,306	1120	
30 to 34	0.07736	14,288	0.65	9,287	6,804	681	
35 to 39	0.0354	7,360	0.65	4,784	3,511	196	
40 to 44	0.00782	1,669	0.65	1,085	809	14	
Age-Eligi	ble Women:	68,189		44,323	30,209	3,113	0.752
			Currently S	Seeking Pr	egnancy (at enro	ollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	1,689	0.65	1,098	343	9	
20 to 24	0.0340	5,818	0.65	3,782	1,632	119	
25 to 29	0.0610	10,344	0.65	6,723	3,219	217	
30 to 34	0.0620	11,375	0.65	7,394	3,560	164	
35 to 39	0.0460	9,528	0.65	6,193	2,280	49	
40 to 44	0.0220	4,632	0.65	3,011	703	4	
Age-Elig	ible Women:	43,386		28,201	11,737	561	0.436
		Not o	n Contracepti	on/Not See	eking Pregnancy	•	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	112,707	0.595	67,060	4,968	60	
20 to 24	0.2284	41,540	0.595	24,717	7,223	289	
25 to 29	0.1427	24,624	0.595	14,651	3,141	142	
30 to 34	0.1336	25,409	0.595	15,118	2,022	47	
35 to 39	0.1896	39,907	0.595	23,745	1,186	12	
40 to 44	0.2552	53,380	0.595	31,761	357	1	
Age-Elig	ble Women:	297,566		177,052	18,897	550	0.110
			Current Co	ontraceptiv	e Users (at enro		
	% of Eligible		l		Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.298	52,074	0.595	30,984	1,181	12	
20 to 24	0.634	105,083	0.595	62,524	7,318	185	
25 to 29	0.693	120,501	0.595	71,698	10,972	283	
30 to 34	0.727	134,557	0.595	80,061	9,241	155	
35 to 39	0.729	152,589	0.595	90,790	4,563	37	
40 to 44	0.715	149,005	0.595	88,658	983	2	
Age-Elig	ible Women:	713,808		424,716	34,259	675	0.082

Table B3. Estimated Household Sample Size for Four-Year Recruitment Period of All Women with 80% Average Initial Enrollment Rate

1.00 1.00		ollment Rat						
Age Corupt Age Corupt Sampled Population Age Corupt Age Corupt Age Corupt Age Ag	Recruitm	nent Period	d:	4 Years (all bi	rths by 51 n	nonths)	Women Recrui	ted: ALL
Control Cont	Estimate	d Initial Er	rollment R	ate:	80%	Distribution o	f Age-Eligible Wo	men by Age Group:
Contact Rate	Number of	Households S	Sampled:		1,293,263		Age Groups	Sampled Population
Age-Bigble Women Age	Unit Occup	ation Rate:			0.9		15 to 19	98,685
Age-Bigble Women:	Contact Ra	te:			0.95		20 to 24	95,446
Marchard of Errolled 1st Live Births 91,514	Age-Eligible	e Women Rate) :		0.57		25 to 29	97,305
Number of Enrolled Zulc Live Births 100,000 Total 17,128 12,000 Total 17,128 130,000 Total 17,128 130,000 Total 17,128 130,000 Total 17,128 130,000 Total 130,000 Total 130,000 Total Total 130,000 Total Total Total Total 130,000 Total To	Age-Eligible	e Women:			630,272		30 to 34	104,186
Total Galacy Total Galacy Galacy Total Galacy Gala	Number of	Enrolled 1st L	ive Births		91,514		35 to 39	117,520
Second S	Number of	Enrolled 2nd L	_ive Births		8,486		40 to 44	117,128
Age September For For	Total Enroll	ed Live Births			100,000		Total	630,272
Age September For For				Curre	ntly Pregn	ant (at enrollme	nt)	
Stroup Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.05349 9.887 0.85 8.404 5.707 11117		% of Eligible				Enrolled Children:	Enrolled Children:	
15 to 19	Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
20 to 24	Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
25 to 29	15 to 19	0.05349	5,252	0.85	4,464	2,382	140	
30 to 34	20 to 24	0.1036	9,887	0.85	8,404	5,707	1117	
30 to 34 0.07736 8,019 0.85 6,816 5,163 922	25 to 29	0.10329	10,046	0.85	8,539	6,324	1411	
35 to 39	30 to 34	0.07736	8,019	0.85		5,163	922	
Age	35 to 39	0.0354	4,131	0.85	3,511	2,643	285	
Not Process Process	40 to 44	0.00782	937	0.85	796	604	24	
Note Currently Seeking Pregnancy (at enrollment) Enrolled Children: Enrolled Children: Subsequent Pregs. (at birth age) Pregs. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Children: Subsequ	Age-Eligi	ible Women:	38,272		32,531	22,823	3,898	0.821
Age				Currently S	Seeking Pr	egnancy (at enro	llment)	
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.0090 948 0.85 806 256 11 25 to 29 0.0610 5.806 0.85 2,775 1,253 165 25 to 29 0.0610 5.806 0.85 4,935 2,521 350 30 to 34 0.0620 6,384 0.85 5,427 2,825 314 40 to 44 0.0220 2,600 0.85 2,210 568 10 Age Bigible Women: 24,351 20,698 9,237 957 0,493 Age Group Women in Lage Groups Not or Contracted Rate 61 Women Enrolled Children: 18 Monitore Preg. (at birth age) Enrolled Children: 18 Toolled Children: <t< td=""><td></td><td>% of Eligible</td><td></td><td><u> </u></td><td></td><td></td><td></td><td></td></t<>		% of Eligible		<u> </u>				
15 to 19	Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
20 to 24	Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
25 to 29	15 to 19	0.0090	948	0.85	806	256	11	
30 to 34 0.0620 6,384 0.85 5,427 2,825 314 35 to 39 0.0460 5,348 0.85 4,546 1,815 107 40 to 44 0.0220 2,600 0.85 2,210 568 10 Age-Bij Women in Age Group Contacted Co	20 to 24	0.0340	3,265	0.85	2,775	1,253	165	
35 to 39	25 to 29	0.0610	5,806	0.85	4,935	2,521	350	
40 to 44 0.0220 2,600 0.85 2,210 568 10 Age-Bigible Women: 24,351 20,698 9,237 957 0.493 Not on Contraception/Not Seeking Pregnancy (at enrollment) Age % of Eligible Women in Groups # of Women Contacted # of Women Rate # of Women Enrolled Children: Enrolled Children: Subsequent Enrolled Woman Enrolled Children: Subsequent Enrolled Children: Subsequent (at birth age) Pregs. (at birth Enrolled Woman Enrolled Woman 15 to 19 0.6395 63,258 0.795 50,290 4,976 140 140 20 to 24 0.2284 23,315 0.795 18,536 8,189 781 140 30 to 34 0.1336 14,261 0.795 11,337 2,221 142 142 35 to 39 0.1896 22,398 0.795 17,807 1,301 39 1485 0.166 Age-Eligible Women: 167,013 132,776 20,519 1,485 0.166 Age Group Contacted Rate Enrolled Children: Enroll	30 to 34	0.0620	6,384	0.85	5,427	2,825	314	
Age High Horizon H	35 to 39	0.0460	5,348	0.85	4,546	1,815	107	
Not on Contraception/Not Seeking Pregnancy (at enrollment) Age	40 to 44	0.0220	2,600	0.85	2,210	568	10	
Not on Contraception/Not Seeking Pregnancy (at enrollment) Age	Age-Eligi	ible Women:	24,351		20,698	9,237	957	0.493
Age Groups Women in Groups # of Women Age Group (Contacted Groups) Init. Enrollent Rate # of Women Enrolled 1st Monitored Preg. (at birth age) Subsequent Pregs. (at birth Enrolled Woman Enrolled LBs per Enrolled Woman 15 to 19 0.6395 63.258 0.795 50.290 4,976 140 20 to 24 0.2284 23,315 0.795 18,536 8,189 781 25 to 29 0.1427 13,821 0.795 10,987 3,411 380 30 to 34 0.1336 14,261 0.795 11,337 2,221 142 35 to 39 0.1896 22,398 0.795 17,807 1,301 39 40 to 44 0.2552 29,960 0.795 23,818 420 3 Current Contraceptive Users (at enrolled Children: Age 6 Eligible Women in Age Group # of Eligible # of Women Rate # of Women Enrolled 1st Monitored Preg. (at birth age) Enrolled Children: Subsequent Pregs. (at birth Enrolled Children: Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Children:			Not o	n Contracepti	on/Not See	eking Pregnancy	(at enrollment)	
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.6395 63,258 0.795 50,290 4,976 140 20 to 24 0.2284 23,315 0.795 18,536 8,189 781 25 to 29 0.1427 13,821 0.795 10,987 3,411 380 30 to 34 0.1336 14,261 0.795 11,337 2,221 142 35 to 39 0.1896 22,398 0.795 17,807 1,301 39 40 to 44 0.2552 29,960 0.795 23,818 420 3 Age-Eligible Women: 167,013 132,776 20,519 1,485 0.166 Age Women in Groups # of Women Rate # of Women Rate # of Women Enrolled # of Women Enrolled Enrolled Children: Subsequent Pregs. (at birth Enrolled LBs per Enrolled 5 to 19 0.693 67,633 0.795 46,889 7,999 508		% of Eligible				Enrolled Children:	Enrolled Children:	
15 to 19	Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
20 to 24 0.2284 23,315 0.795 18,536 8,189 781 25 to 29 0.1427 13,821 0.795 10,987 3,411 380 30 to 34 0.1336 14,261 0.795 11,337 2,221 142 35 to 39 0.1896 22,398 0.795 23,818 420 3 Age-Bijte Women: 167,013 132,776 20,519 1,485 0.166 Age Group Women in Age Group # of Women in Age Group # of Women in Contacted # of Women in Rate # of Women in Contacted # of Women in Rate # of Women in Groups 15 to 19 0.298 29,227 0.795 23,236 1,121 26 1,121 26 20 to 24 0.634 58,979 0.795 46,889 7,999 508 1,121 26 25 to 29 0.693 67,633 0.795 53,768 12,390 894 1,149 1,149 1,149 1,149 1,149 1,149 1,149 1,149 <	Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
25 to 29	15 to 19	0.6395	63,258	0.795	50,290	4,976	140	
30 to 34	20 to 24	0.2284	23,315	0.795	18,536	8,189	781	
35 to 39	25 to 29	0.1427	13,821	0.795	10,987	3,411	380	
35 to 39	30 to 34	0.1336	14,261				142	
40 to 44 0.2552 29,960 0.795 23,818 420 3 Age-Eligible Women: 167,013 132,776 20,519 1,485 0.166 Current Contraceptive Users (at enrollment) Age % of Eligible Women in Groups # of Women Contacted # of Women Rate # of Women Enrolled Enrolled Children: Subsequent (at birth age) Enrolled Children: Subsequent Pregs. (at birth Pr	35 to 39				-		39	
Current Contraceptive Users (at enrollment) Subsequent Subsequent Enrolled Woman Subsequent Enrolled Woman Subsequent Enrolled Woman Subsequent Enrolled Woman Subsequent Subseq					23,818	·	3	
Age Groups # of Women in Groups # of Women in Age Group # of Women in Contacted # of Women in Age Group # of Women in Age Group # of Women in Contacted # of Women in Age Group # of Women in Contacted # of Women in Enrolled # of Women in Enrolled # of Women in Enrolled in Its Monitored Preg. (at birth age) Subsequent Pregs. (at birth in Enrolled Woman # of Women in Enrolled LBs per Enrolled LBs per Enrolled Woman 20 to 24 0.634 58,979 0.795 46,889 7,999 508 25 to 29 0.693 67,633 0.795 53,768 12,390 894 30 to 34 0.727 75,522 0.795 60,040 10,666 559 35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9	Age-Eligi	ible Women:	167,013		132,776	20,519	1,485	0.166
Age Groups Women in Groups # of Women Age Group # of Women Enrolled # of Women Enrolled 1st Monitored Preg. (at birth age) Subsequent Pregs. (at birth Enrolled Woman Enrolled LBs per Enrolled Woman 15 to 19 0.298 29,227 0.795 23,236 1,121 26 20 to 24 0.634 58,979 0.795 46,889 7,999 508 25 to 29 0.693 67,633 0.795 53,768 12,390 894 30 to 34 0.727 75,522 0.795 60,040 10,666 559 35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9				Current Co	ontraceptiv	e Users (at enrol	lment)	
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.298 29,227 0.795 23,236 1,121 26 20 to 24 0.634 58,979 0.795 46,889 7,999 508 25 to 29 0.693 67,633 0.795 53,768 12,390 894 30 to 34 0.727 75,522 0.795 60,040 10,666 559 35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9		% of Eligible				Enrolled Children:	Enrolled Children:	
15 to 19 0.298 29,227 0.795 23,236 1,121 26 20 to 24 0.634 58,979 0.795 46,889 7,999 508 25 to 29 0.693 67,633 0.795 53,768 12,390 894 30 to 34 0.727 75,522 0.795 60,040 10,666 559 35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9	Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
20 to 24 0.634 58,979 0.795 46,889 7,999 508 25 to 29 0.693 67,633 0.795 53,768 12,390 894 30 to 34 0.727 75,522 0.795 60,040 10,666 559 35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9			Contacted		Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
25 to 29 0.693 67,633 0.795 53,768 12,390 894 30 to 34 0.727 75,522 0.795 60,040 10,666 559 35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9	15 to 19	0.298	29,227	0.795	23,236	1,121		
30 to 34 0.727 75,522 0.795 60,040 10,666 559 35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9	20 to 24	0.634		0.795	46,889	7,999	508	
35 to 39 0.729 85,643 0.795 68,086 5,491 149 40 to 44 0.715 83,631 0.795 66,487 1,268 9	25 to 29	0.693	67,633	0.795	53,768	12,390	894	
40 to 44 0.715 83,631 0.795 66,487 1,268 9	30 to 34	0.727	75,522	0.795	60,040	10,666	559	
	35 to 39	0.729	85,643	0.795	68,086	5,491	149	
Age-Eligible Women: 400,635 318,505 38,935 2,146 0.129	40 to 44	0.715	83,631	0.795	66,487	1,268	9	
	Age-Elig	ible Women:	400,635		318,505	38,935	2,146	0.129

Table~B4.~Estimated~Household~Sample~Size~for~Four-Year~Recruitment~Period~of~All~Women~with~60%~Average~Initial~Enrollment~Rate

	ollment Rat						
Recruitm	ent Period:		4 Years (all bir	ths by 51 m	onths)	Women Recruit	ed: ALL
Estimate	d Initial Eni	rollment Rat	e:	60%	Distribution	of Age-Eligible Wo	men by Age Group:
Number of I	Households Sa	mpled:		1,714,209		Age Groups	Sampled Population
Unit Occupa	ation Rate:			0.9		15 to 19	130,807
Contact Rat	e:			0.95		20 to 24	126,513
Age-Eligible	Women Rate:			0.57		25 to 29	128,977
Age-Eligible	Women:			835,420		30 to 34	138,098
Number of E	Enrolled 1st Liv	e Births		91,476		35 to 39	155,772
Number of E	Enrolled 2nd Li	ve Births		8,524	_	40 to 44	155,252
Total Enrolle	ed Live Births			100,000		Total	835,420
			Curr	ently Pregn	ant (at enrollmen	t)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	6,962	0.65	4,525	2,415	142	
20 to 24	0.1036	13,105	0.65	8,518	5,784	1132	
25 to 29	0.10329	13,316	0.65	8,656	6,410	1430	
30 to 34	0.07736	10,630	0.65	6,909	5,233	934	
35 to 39	0.0354	5,476	0.65	3,559	2,679	289	
40 to 44	0.00782	1,241	0.65	807	612	24	
Age-Eligil	ole Women:	50,729		32,974	23,133	3,951	0.821
			Currently	Seeking Pr	egnancy (at enrol	lment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	1,257	0.65	817	259	11	
20 to 24	0.0340	4,328	0.65	2,813	1,270	167	
25 to 29	0.0610	7,695	0.65	5,002	2,556	355	
30 to 34	0.0620	8,462	0.65	5,500	2,863	319	
35 to 39	0.0460	7,088	0.65	4,607	1,840	109	
40 to 44	0.0220	3,446	0.65	2,240	576	10	
Age-Eligil	ole Women:	32,277		20,980	9,363	970	0.493
		Not	on Contracep	tion/Not Se	eking Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.6395	83,848	0.595	49,890	4,937	139	
20 to 24	0.2284	30,904	0.595	18,388	8,124	774	
25 to 29	0.1427	18,319	0.595	10,900	3,384	377	
30 to 34	0.1336	18,903	0.595	11,247	2,204	141	
35 to 39	0.1896	29,689	0.595	17,665	1,290	38	
40 to 44	0.2552	39,712	0.595	23,629	416	3	
Age-Eligil	ole Women:	221,375		131,718	20,355	1,474	0.166
			Current C	ontraceptiv	ve Users (at enroll		
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	Monitored Preg. (at		Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.298	38,740	0.595	23,050	1,112	26	
20 to 24	0.634	78,177	0.595	46,515	7,935	504	
25 to 29	0.693	89,647	0.595	53,340	12,291	887	
30 to 34	0.727	100,104	0.595	59,562	10,581	555	
35 to 39	0.729	113,519	0.595	67,544	5,448	148	
40 to 44	0.715	110,853	0.595	65,957	1,257	9	
Age-Eligil	ole Women:	531,039		315,968	38,625	2,129	0.129

Table B5. Estimated Household Sample Size for Five-Year Recruitment Period of All Women with 80% Average Initial Enrollment Rate

Enrollmen							
Recruitm	nent Period	d:	5 Years (all bi	rths by 63 n	nonths)	Women Recrui	ted: ALL
Estimate	d Initial Er	rollment R	ate:	80%	Distribution of	f Age-Eligible Wo	men by Age Group:
Number of	Households S	Sampled:		1,045,711		Age Groups	Sampled Population
Unit Occup	ation Rate:			0.9		15 to 19	79,795
Contact Ra	te:			0.95		20 to 24	77,176
Age-Eligible	Women Rate):		0.57		25 to 29	78,679
Age-Eligible	e Women:			509,627		30 to 34	84,244
	Enrolled 1st L	ive Births		88,086		35 to 39	95,025
Number of	Enrolled 2nd L	ive Births		11,914		40 to 44	94,708
Total Enroll	ed Live Births			100,000		Total	509,627
			Curre	ntly Pregn	ant (at enrollme	nt)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	4,247	0.85	3,610	1,931	125	
20 to 24	0.1036	7,994	0.85	6,795	4,709	1169	
25 to 29	0.10329	8,123	0.85	6,905	5,266	1601	
30 to 34	0.07736	6,484	0.85	5,512	4,295	1097	
35 to 39	0.0354	3,340	0.85	2,839	2,187	355	
40 to 44	0.00782	757	0.85	644	496	33	
Age-Eligi	ble Women:	30,946		26,304	18,885	4,380	0.884
			Currently S	Seeking Pr	egnancy (at enro	llment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	767	0.85	652	208	10	
20 to 24	0.0340	2,640	0.85	2,244	1,042	179	
25 to 29	0.0610	4,694	0.85	3,990	2,130	421	
30 to 34	0.0620	5,162	0.85	4,388	2,414	420	
35 to 39	0.0460	4,324	0.85	3,676	1,548	156	
40 to 44	0.0220	2,102	0.85	1,787	484	16	
Age-Eligi	ible Women:	19,690		16,736	7,825	1,203	0.539
		Not o	n Contracepti	on/Not See	eking Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	51,150	0.795	40,664	4,479	171	
20 to 24	0.2284	18,852	0.795	14,988	8,956	1336	
25 to 29	0.1427	11,175	0.795	8,884	3,598	670	
30 to 34	0.1336	11,531	0.795	9,167	2,289	260	
35 to 39	0.1896	18,111	0.795	14,398	1,326	73	
40 to 44	0.2552	24,225	0.795	19,259	447	7	
Age-Elig	ble Women:	135,044		107,360	21,095	2,517	0.220
			Current C	ontraceptiv	e Users (at enro		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.298	23,633	0.795	18,788	974	29	
20 to 24	0.634	47,690	0.795	37,913	8,001	792	
25 to 29	0.693	54,687	0.795	43,476	12,784	1571	
30 to 34	0.727	61,066	0.795	48,547	11,179	1083	
35 to 39	0.729	69,249	0.795	55,053	5,906	316	
40 to 44	0.715	67,623	0.795	53,760	1,437	23	
Age-Elig	ible Women:	323,947		257,538	40,280	3,814	0.171

Table~B6.~Estimated~Household~Sample~Size~for~Five-Year~Recruitment~Period~of~All~Women~with~60%~Average~Initial~Enrollment~Rate

<u>Enrollmen</u>							
Recruitm	ent Period	:	5 Years (all bir	ths by 63 m	onths)	Women Recruit	ed: ALL
Estimate	d Initial En	rollment Rat	e:	60%	Distribution	of Age-Eligible Wo	omen by Age Group:
Number of I	Households Sa	ımpled:		1,387,466		Age Groups	Sampled Population
Unit Occupa		•		0.9		15 to 19	105,874
Contact Rat	te:			0.95		20 to 24	102,399
Age-Eligible	Women Rate:	:		0.57		25 to 29	104,393
Age-Eligible				676,181		30 to 34	111,776
	Enrolled 1st Liv	e Births		88,048		35 to 39	126,080
Number of I	Enrolled 2nd Li	ve Births		11,952		40 to 44	125,660
Total Enroll	ed Live Births			100,000		Total	676,181
			Curr		ant (at enrollmen	1)	<u> </u>
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	5,635	0.65	3,663	1,960	127	
20 to 24	0.1036	10,607	0.65	6,894	4,778	1186	
25 to 29	0.10329	10,778	0.65	7,006	5,343	1624	
30 to 34	0.07736	8,603	0.65	5,592	4,358	1113	
35 to 39	0.0354	4,432	0.65	2,881	2,219	361	
40 to 44	0.00782	1,005	0.65	653	503	33	
	ble Women:	41,060		26,689	19,161	4,444	0.884
Age Eligi	bic vvoilicii.	41,000	Currently		regnancy (at enrol		0.004
	% of Eligible		Curronny		Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	1,017	0.65	661	211	10	
20 to 24	0.0340	3,503	0.65	2,277	1,057	182	
25 to 29	0.0610	6,228	0.65	4,049	2,161	427	
30 to 34	0.0620	6,849	0.65	4,452	2,449	426	
35 to 39	0.0460	5,737	0.65	3,729	1,571	158	
40 to 44	0.0220	2,789	0.65	1,813	491	17	
Age-Eligi	ble Women:	26.125	•	16,981	7,940	1,220	0.539
99		-, -	on Contracep		eking Pregnancy		5.000
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.6395	67,866	0.595	40,380	4,447	170	
20 to 24	0.2284	25,013	0.595	14,883	8,894	1326	
25 to 29	0.1427	14,827	0.595	8,822	3,573	665	
30 to 34	0.1336	15,300	0.595	9,103	2,273	258	
35 to 39	0.1896	24,030	0.595	14,298	1,317	73	
40 to 44	0.2552	32,143	0.595	19,125	444	7	
	ble Women:	179,179		106,611	20,948	2,500	0.220
rigo Eligii	DIE Weinen.	170,170	Current C		ve Users (at enroll		0.220
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.298	31,356	0.595	18,657	967	29	
20 to 24	0.634	63,275	0.595	37,649	7,945	786	
25 to 29	0.693	72,559	0.595	43,173	12,694	1560	
30 to 34	0.727	81,023	0.595	48,209	11,101	1076	
35 to 39	0.729	91,881	0.595	54,669	5,865	313	
40 to 44	0.715		0.595	53,385	1,427	23	
Age-Eliai	ble Women:	429,818		255,742	39,999	3,788	0.171
		,0		2-,: :=	22,300	2,.00	

APPENDIX C

DETAILED OUTPUT OF PROBABILISTIC MODELS FOR HOUSEHOLD RECRUITMENT MODEL OF CURRENTLY PREGNANT WOMEN AND WOMEN SEEKING PREGNANCY (Prior to Applying Correction Factors)

Table C1. Estimated Household Sample Size for Three-Year Recruitment Period of CP/CSP Women with 85% Initial Enrollment Rate

	t Rate						
Recruitm	ent Period:		3 Years (all bir	ths by 39 m	onths)	Women Enrolle	d: CP/CSP
Estimate	d Initial Eni	rollment Rat		85%		of Age-Eligible Women by Age Group:	
Number of F	Households Sa	mpled:		3,862,401		Age Groups	Sampled Population
Unit Occupa				0.9		15 to 19	294,730
Contact Rate	e:			0.95		20 to 24	285,056
Age-Eligible	Women Rate:			0.57		25 to 29	290,607
Age-Eligible	Women:			1,882,341		30 to 34	311,159
Number of E	Enrolled 1st Liv	e Births		91,947		35 to 39	350,980
Number of E	nrolled 2nd Li	ve Births		8,053	-	40 to 44	349,809
Total Enrolle	ed Live Births			100,000		Total	1,882,341
ļ			Curre	ently Prean	ant (at enrollment	:)	
	% of Eligible			, , , , , , , , , , , , , , , , , , ,	Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	15,686	0.85	13,333	7,061	298	
20 to 24	0.1036	29,527	0.85	25,098	16,568	2118	
25 to 29	0.10329	30,004	0.85	25,504	18,207	2455	
30 to 34	0.07736	23,950	0.85	20,358	14,914	1493	
35 to 39	0.0354	12,337	0.85	10,487	7,695	429	
40 to 44	0.00782	2,797	0.85	2,378	1,774	31	
	ole Women:	114,301		97,156	66,218	6,823	0.752
, igo =g		,	Currently		egnancy (at enrol		002
	% of Eligible		,		Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	2,831	0.85	2,407	753	19	
20 to 24	0.0340	9,752	0.85	8,289	3,578	260	
25 to 29	0.0610	17,339	0.85	14,738	7,056	475	
30 to 34	0.0620	19,067	0.85	16,207	7,803	359	
35 to 39	0.0460	15,971	0.85	13,576	4,999	108	
40 to 44	0.0220	7,765	0.85	6,600	1,540	8	
	ole Women:	72,725		61,816	25,729	1,230	0.436
Age Liigit	ole Wolfleri.		on Contracept		,	,	0.430
					ekino Preonancy i		
	% of Fligible	NOL					
Age	% of Eligible Women in	# of Women	•		Enrolled Children: 1st	Enrolled Children:	Enrolled LBs per
Age Groups	% of Eligible Women in Age Group		Init. Enrollment Rate	# of Women Enrolled			Enrolled LBs per Enrolled Woman
-	Women in	# of Women	Init. Enrollment	# of Women	Enrolled Children: 1st Monitored Preg. (at	Enrolled Children: Subsequent Pregs.	Enrolled Woman
Groups	Women in Age Group	# of Women Contacted 188,924	Init. Enrollment Rate	# of Women Enrolled	Enrolled Children: 1st Monitored Preg. (at birth age)	Enrolled Children: Subsequent Pregs. (at birth age)	Enrolled Woman n/a
Groups 15 to 19	Women in Age Group 0.6395	# of Women Contacted 188,924 69,632	Init. Enrollment Rate 0.0	# of Women Enrolled	Enrolled Children: 1st Monitored Preg. (at birth age)	Enrolled Children: Subsequent Pregs. (at birth age)	Enrolled Woman n/a n/a
Groups 15 to 19 20 to 24 25 to 29	Women in Age Group 0.6395 0.2284 0.1427	# of Women Contacted 188,924 69,632 41,276	Init. Enrollment Rate 0.0 0.0	# of Women Enrolled 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0	Enrolled Children: Subsequent Pregs. (at birth age) 0	Enrolled Woman n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34	Women in Age Group 0.6395 0.2284 0.1427 0.1336	# of Women Contacted 188,924 69,632 41,276 42,591	Init. Enrollment Rate 0.0 0.0 0.0 0.0	# of Women Enrolled 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0	Enrolled Children: Subsequent Pregs. (at birth age) 0 0	Enrolled Woman n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896	# of Women Contacted 188,924 69,632 41,276 42,591 66,894	Init. Enrollment Rate 0.0 0.0	# of Women Enrolled 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0	Enrolled Woman n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0	# of Women Enrolled 0 0 0 0 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0	Enrolled Woman n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896	# of Women Contacted 188,924 69,632 41,276 42,591 66,894	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 0.0	# of Women Enrolled 0 0 0 0 0 0 -	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 -	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 1	Enrolled Woman n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 ole Women:	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 0.0	# of Women Enrolled 0 0 0 0 0 0 -	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 ve Users (at enroll	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0	Enrolled Woman n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 0.0	# of Women Enrolled 0 0 0 0 0 0 -	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 -	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 1	Enrolled Woman n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44 Age-Eligib	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 ole Women: % of Eligible	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478 498,795	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 Current C	# of Women Enrolled 0 0 0 0 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 ve Users (at enroll Enrolled Children: 1st	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0	Enrolled Woman n/a n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44 Age-Eligib	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 ole Women: % of Eligible Women in	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478 498,795	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 Current C	# of Women Enrolled	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 ve Users (at enroll Enrolled Children: 1st Monitored Preg. (at	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 ment) Enrolled Children: Subsequent Pregs.	Enrolled Woman n/a n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44 Age-Eligib Age Groups	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 Die Women: % of Eligible Women in Age Group	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478 498,795 # of Women Contacted	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 Current C	# of Women Enrolled 0 0 0 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 ve Users (at enroll Enrolled Children: 1st Monitored Preg. (at birth age)	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 ment) Enrolled Children: Subsequent Pregs. (at birth age)	Enrolled Woman n/a n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44 Age-Eligib Age Groups 15 to 19	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 Die Women: % of Eligible Women in Age Group 0.298 0.634	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478 498,795 # of Women Contacted 87,288 176,145	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 Current C Init. Enrollment Rate 0.0	# of Women Enrolled 0 0 0 0 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 0 0 ve Users (at enroll Enrolled Children: 1st Monitored Preg. (at birth age) 0	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 0 ment) Enrolled Children: Subsequent Pregs. (at birth age) 0	Enrolled Woman n/a n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44 Age-Eligit Age Groups 15 to 19 20 to 24 25 to 29	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 Die Women: % of Eligible Women in Age Group 0.298 0.634 0.693	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478 498,795 # of Women Contacted 87,288 176,145 201,989	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Current C Init. Enrollment Rate 0.0 0.0 0.0	# of Women Enrolled 0 0 0 0 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 0 0 ve Users (at enroll Enrolled Children: 1st Monitored Preg. (at birth age) 0 0	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 0 ment) Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Enrolled Woman n/a n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44 Age-Eligib Age Groups 15 to 19 20 to 24 25 to 29 30 to 34	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 ole Women: % of Eligible Women in Age Group 0.298 0.634 0.693 0.727	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478 498,795 # of Women Contacted 87,288 176,145 201,989 225,551	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Current C Init. Enrollment Rate 0.0 0.0 0.0	# of Women Enrolled 0 0 0 0 0 0 0 contraceptive # of Women Enrolled 0 0 0	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 0 0 0 /e Users (at enroll Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 0 ment) Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Enrolled Woman n/a n/a n/a n/a n/a n/a n/a
Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44 Age-Eligit Age Groups 15 to 19 20 to 24 25 to 29	Women in Age Group 0.6395 0.2284 0.1427 0.1336 0.1896 0.2552 Die Women: % of Eligible Women in Age Group 0.298 0.634 0.693	# of Women Contacted 188,924 69,632 41,276 42,591 66,894 89,478 498,795 # of Women Contacted 87,288 176,145 201,989	Init. Enrollment Rate 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Current C Init. Enrollment Rate 0.0 0.0 0.0	# of Women Enrolled	Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 0 ve Users (at enroll Enrolled Children: 1st Monitored Preg. (at birth age) 0 0 0 0 0 0 0 0 0 0 0 0 0	Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 0 ment) Enrolled Children: Subsequent Pregs. (at birth age) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Enrolled Woman n/a n/a n/a n/a n/a n/a n/a

Table C2. Estimated Household Sample Size for Three-Year Recruitment Period of CP/CSP Women with 60% Initial Enrollment Rate

Enrollmen							
	nent Period		3 Years (all bir	ths by 39 n	·	Women Enrolle	
Estimate	d Initial Er	nrollment R	ate:	65%	Distribution o	f Age-Eligible Wor	men by Age Group:
Number of	Households S	Sampled:		5,050,832		Age Groups	Sampled Population
Unit Occup	ation Rate:			0.9		15 to 19	385,416
Contact Ra	ite:			0.95		20 to 24	372,765
Age-Eligible	e Women Rate) :		0.57		25 to 29	380,025
Age-Eligible	e Women:			2,461,523		30 to 34	406,900
Number of	Enrolled 1st L	ive Births		91,947		35 to 39	458,974
Number of	Enrolled 2nd L	_ive Births		8,053		40 to 44	457,443
Total Enroll	ed Live Births			100,000		Total	2,461,523
			Curre	ntly Pregn	ant (at enrollmer	nt)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment		1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	20,512	0.65	13,333	7,061	298	
20 to 24	0.1036	38,612	0.65	25,098	16,568	2118	
25 to 29	0.10329	39,236	0.65	25,504	18,207	2455	
30 to 34	0.07736	31,319	0.65	20,358	14,914	1493	
35 to 39	0.0354	16,133	0.65	10,487	7,695	429	
40 to 44	0.00782	3,658	0.65	2,378	1,774	31	
Age-Elig	ible Women:	149,471		97,156	66,218	6,823	0.752
			Currently S	Seeking Pr	egnancy (at enro	llment)	
	% of Eligible		l		Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	3,703	0.65	2,407	753	19	
20 to 24	0.0340	12,753	0.65	8,289	3,578	260	
25 to 29	0.0610	22,674	0.65	14,738	7,056	475	
30 to 34	0.0620	24,933	0.65	16,207	7,803	359	
35 to 39	0.0460	20,886	0.65	13,576	4,999	108	
40 to 44	0.0220	10,154	0.65	6,600	1,540	8	
Age-Elig	ible Women:	95,102		61,816	25,729	1,230	0.436
		Not c	n Contracepti	on/Not See	eking Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	247,055	0.0	0	0	0	n/a
20 to 24	0.2284	91,057	0.0	0	0	0	n/a
25 to 29	0.1427	53,976	0.0	0	0	0	n/a
30 to 34	0.1336	55,696	0.0	0	0	0	n/a
35 to 39	0.1896	87,477	0.0	0	0	0	n/a
40 to 44	0.2552	117,010	0.0	0	0	0	n/a
Age-Elig	ible Women:	652,270		-	-	-	
			Current Co	ontraceptiv	e Users (at enrol	•	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
Groups				0	0	0	n/a
15 to 19	0.298	114,146	0.0				
15 to 19 20 to 24	0.298 0.634	230,344	0.0	0	0	0	n/a
15 to 19 20 to 24 25 to 29	0.298 0.634 0.693	230,344 264,139	0.0	0	0	0	n/a
15 to 19 20 to 24 25 to 29 30 to 34	0.298 0.634 0.693 0.727	230,344 264,139 294,951	0.0 0.0 0.0	0 0	0 0	0 0 0	n/a n/a
15 to 19 20 to 24 25 to 29 30 to 34 35 to 39	0.298 0.634 0.693 0.727 0.729	230,344 264,139 294,951 334,478	0.0 0.0 0.0 0.0	0 0 0	0 0 0	0 0 0	n/a n/a n/a
15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44	0.298 0.634 0.693 0.727	230,344 264,139 294,951	0.0 0.0 0.0	0 0	0 0	0 0 0	n/a n/a

Table C3. Estimated Household Sample Size for Four-Year Recruitment Period of CP/CSP Women with 85% Initial Enrollment Rate

Recruitment Period:	Enrollmen	t Rate						
Number of Households Sampled: 3,503,355	Recruitm	nent Period	d:	4 Years (all bir	rths by 51 n	nonths)	Women Enrolle	ed: CP/CSP
Unit Occupation Rate:	Estimate	d Initial Er	rollment R	ate:	85%	Distribution o	f Age-Eligible Wor	men by Age Group:
Contact Rate	Number of	Households S	Sampled:		3,503,355		Age Groups	Sampled Population
Contact Rate 0.95	Unit Occup	ation Rate:			0.9		15 to 19	267,332
Age Bigible Women Number of Enrolled 1st Live Births 86 848 35 to 39 311 3:353	Contact Ra	te:			0.95		20 to 24	258,557
Age Bigible Women Number of Enrolled 1st Live Births 86 848 35 to 39 311 3:353	Age-Eligible	e Women Rate):		0.57		25 to 29	263,593
Number of Enrolled 1st Live Births 13.152 40 to 44 317.291					1,707,360		30 to 34	
Total Tota			ive Births		86,848		35 to 39	
Currently Pregnant (at enrollment)	Number of	Enrolled 2nd L	ive Births		13,152		40 to 44	317,291
Age Countacted Contacted Age Age	Total Enroll	ed Live Births			100,000		Total	1,707,360
Age Countacted Contacted Age Age				Curre	ntly Pregn	ant (at enrollmer	nt)	
Groups		% of Eligible						
15 to 19	Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
20 to 24	Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
25 to 29	15 to 19	0.05349	14,228	0.85	12,094	6,453	380	
30 to 34	20 to 24	0.1036	26,782	0.85	22,765	15,459	3025	
30 to 34	25 to 29	0.10329	27,215	0.85	23,133	17,131	3822	
35 to 39	30 to 34	0.07736		0.85	18.465	13.985	2497	
Age Figible Women Rate Rate								
Not or N	40 to 44	0.00782	2,537	0.85	2,156	1,636	64	
Age	Age-Elig	ible Women:	103,676		88,125	61,825	10,559	0.821
Age				Currently S	Seeking Pr	egnancy (at enro		
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman		-				Enrolled Children:	Enrolled Children:	
15 to 19	Age		# of Women			1st Monitored Preg.	· ·	·
20 to 24	Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
25 to 29	15 to 19		2,568	0.85		692		
30 to 34	20 to 24	0.0340	8,845	0.85	7,519	3,393	448	
35 to 39	25 to 29	0.0610	15,727	0.85	13,368	6,830	947	
Age High H	30 to 34	0.0620	17,294	0.85	14,700	7,652	851	
Not or Contraception/Not Seeking Pregnancy (at enrollment)	35 to 39	0.0460	14,487	0.85	12,314	4,917	291	
Not on Contraception/Not Seeking Pregnancy (at enrollment) Age	40 to 44	0.0220	7,043	0.85	5,987	1,540	27	
Age	Age-Elig	ible Women:	65,965		56,070	25,023	2,593	0.493
Age Group Age			Not o	n Contracepti	on/Not See			
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman								
15 to 19	_					_		•
20 to 24					Enrolled	(at birth age)	Pregs. (at birth	
25 to 29								
30 to 34 0.1336 38,632 0.0 0 0 0 0 0 0 0 0	20 to 24	0.2284	63,159	0.0	0	0	0	n/a
35 to 39 0.1896 60,676 0.0 0 0 0 0 0 n/a	25 to 29	0.1427	37,439	0.0	0	0	0	n/a
Age-Eligible Women: A52,427	30 to 34	0.1336	38,632	0.0	0	0	0	n/a
Age-Eligible Women: 452,427 - Current Contraceptive Users (at enrollment) Age Women in Groups Age Group Age Group 20 to 24 # of Women In Groups Age Group Age Group Contacted Subsequent Age Group Contacted Rate # of Women Enrolled Fence (at birth age) Enrolled Children: Ist Monitored Preg. (at birth age) Subsequent Pregs. (at birth Enrolled Woman Enrolled Woman 15 to 19 0.298 79,174 0.0 0 0 0 n/a 20 to 24 0.634 159,771 0.0 0 0 0 n/a 25 to 29 0.693 183,212 0.0 0 0 0 n/a 30 to 34 0.727 204,584 0.0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a								
Current Contraceptive Users (at enrollment) Subsequent Subsequen				0.0	0	0	0	n/a
Age Groups % of Eligible Women in Groups # of Women in Age Group # of Women Rate # of Women Enrolled # of Women Enrolled Children: 1st Monitored Preg. (at birth age) Enrolled Children: Subsequent Pregs. (at birth Pregs. (at birth Pregs. (at birth Pregs. (at birth Pregs.)) Enrolled LBs per Enrolled Woman 15 to 19 0.298 79,174 0.0 0 0 0 0 n/a 20 to 24 0.634 159,771 0.0 0 0 0 0 n/a 25 to 29 0.693 183,212 0.0 0 0 0 0 n/a 30 to 34 0.727 204,584 0.0 0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a	Age-Elig	ible Women:	452,427	0	1 1	-	-	
Age Groups Women in Groups # of Women Age Group Init. Enrollment Rate # of Women Enrolled 1st Monitored Preg. (at birth age) Subsequent Pregs. (at birth Enrolled Woman 15 to 19 0.298 79,174 0.0 0 0 0 0 n/a 20 to 24 0.634 159,771 0.0 0 0 0 n/a 25 to 29 0.693 183,212 0.0 0 0 0 n/a 30 to 34 0.727 204,584 0.0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a		0/ of Fligible		Current Co	ontraceptiv	•		
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.298 79,174 0.0 0 0 0 0 n/a 20 to 24 0.634 159,771 0.0 0 0 0 n/a 25 to 29 0.693 183,212 0.0 0 0 0 n/a 30 to 34 0.727 204,584 0.0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a	Δ αο	-	# of Momen	Init Enrollment	# of Women			Enrolled I Be per
15 to 19 0.298 79,174 0.0 0 0 0 n/a 20 to 24 0.634 159,771 0.0 0 0 0 0 n/a 25 to 29 0.693 183,212 0.0 0 0 0 0 n/a 30 to 34 0.727 204,584 0.0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a	_					J	·	
20 to 24 0.634 159,771 0.0 0 0 0 n/a 25 to 29 0.693 183,212 0.0 0 0 0 0 n/a 30 to 34 0.727 204,584 0.0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a		<u> </u>						
25 to 29 0.693 183,212 0.0 0 0 0 n/a 30 to 34 0.727 204,584 0.0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a					0	0		
30 to 34 0.727 204,584 0.0 0 0 0 n/a 35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a			-					
35 to 39 0.729 232,000 0.0 0 0 0 n/a 40 to 44 0.715 226,551 0.0 0 0 0 n/a								
40 to 44 0.715 226,551 0.0 0 0 0 n/a								
			1,085,292		-	-	-	

Table C4. Estimated Household Sample Size for Four-Year Recruitment Period of CP/CSP Women with 65% Initial Enrollment Rate

Enrollmen	t Rate						
Recruitm	nent Period	d:	4 Years (all bir	rths by 51 n	nonths)	Women Enrolle	ed: CP/CSP
Estimate	d Initial Er	rollment R	ate:	65%	Distribution o	f Age-Eligible Wor	men by Age Group:
Number of	Households S	Sampled:		4,581,310		Age Groups	Sampled Population
Unit Occup	ation Rate:			0.9		15 to 19	349,588
Contact Ra	te:			0.95		20 to 24	338,113
Age-Eligible	e Women Rate):		0.57		25 to 29	344,698
Age-Eligible				2,232,702		30 to 34	369,075
	Enrolled 1st L	ive Births		86,848		35 to 39	416,308
Number of	Enrolled 2nd L	ive Births		13,152		40 to 44	414,920
Total Enroll	ed Live Births			100,000		Total	2,232,702
			Curre	ntly Pregn	ant (at enrollmer	nt)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	18,605	0.65	12,094	6,453	380	
20 to 24	0.1036	35,023	0.65	22,765	15,459	3025	
25 to 29	0.10329	35,589	0.65	23,133	17,131	3822	
30 to 34	0.07736	28,408	0.65	18,465	13,985	2497	
35 to 39	0.0354	14,634	0.65	9,512	7,160	771	
40 to 44	0.00782	3,318	0.65	2,156	1,636	64	
Age-Elig	ible Women:	135,576		88,125	61,825	10,559	0.821
			Currently S	Seeking Pr	egnancy (at enro	•	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	3,358	0.65	2,183	692	29	
20 to 24	0.0340	11,567	0.65	7,519	3,393	448	
25 to 29	0.0610	20,566	0.65	13,368	6,830	947	
30 to 34	0.0620	22,616	0.65	14,700	7,652	851	
35 to 39	0.0460	18,944	0.65	12,314	4,917	291	
40 to 44	0.0220	9,210	0.65	5,987	1,540	27	
Age-Elig	ible Women:	86,261		56,070	25,023	2,593	0.493
		Not o	n Contracepti	on/Not See	king Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	224,089	0.0	0	0	0	n/a
20 to 24	0.2284	82,593	0.0	0	0	0	n/a
25 to 29	0.1427	48,958	0.0	0	0	0	n/a
30 to 34	0.1336	50,519	0.0	0	0	0	n/a
35 to 39	0.1896	79,345	0.0	0	0	0	n/a
40 to 44	0.2552	106,132	0.0	0	0	0	n/a
Age-Elig	ible Women:	591,636		-	-	-	
			Current Co	ontraceptiv	e Users (at enrol		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups 15 to 19	Age Group 0.298	Contacted 103,535	Rate 0.0	Enrolled 0	(at birth age)	Pregs. (at birth 0	Enrolled Woman n/a
20 to 24	0.296		0.0	0	0	0	
		208,931					n/a
25 to 29	0.693	239,585	0.0	0	0	0	n/a
30 to 34	0.727	267,533	0.0	0	0	0	n/a
35 to 39	0.729	303,385	0.0	0	0	0	n/a
40 to 44	0.715	296,259	0.0	0	0	0	n/a
Age-Elig	ible Women:	1,419,228		-	-	-	

Table C5. Estimated Household Sample Size for Five-Year Recruitment Period of CP/CSP Women with 85% Initial Enrollment Rate

Enrollmen							
	nent Period		5 Years (all bir			Women Enrolle	
		rollment R	ate:	85%	Distribution o	f Age-Eligible Wor	nen by Age Group:
Number of	Households S	Sampled:		3,238,187		Age Groups	Sampled Population
Unit Occup	ation Rate:			0.9		15 to 19	247,098
Contact Ra				0.95		20 to 24	238,987
	e Women Rate):		0.57		25 to 29	243,642
Age-Eligible	e Women:			1,578,131		30 to 34	260,871
	Enrolled 1st L			82,712		35 to 39	294,257
Number of	Enrolled 2nd L	_ive Births		17,288		40 to 44	293,276
Total Enroll	ed Live Births			100,000		Total	1,578,131
			Curre	ntly Pregn	ant (at enrollmer	nt)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	13,151	0.85	11,178	5,981	388	
20 to 24	0.1036	24,755	0.85	21,042	14,584	3621	
25 to 29	0.10329	25,155	0.85	21,382	16,308	4957	
30 to 34	0.07736	20,079	0.85	17,068	13,299	3396	
35 to 39	0.0354	10,343	0.85	8,792	6,772	1101	
40 to 44	0.00782	2,345	0.85	1,993	1,537	102	
Age-Elig	ible Women:	95,829		81,454	58,480	13,563	0.884
			Currently S	Seeking Pr	egnancy (at enro	llment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	2,374	0.85	2,018	643	31	
20 to 24	0.0340	8,176	0.85	6,950	3,227	555	
25 to 29	0.0610	14,537	0.85	12,356	6,595	1304	
30 to 34	0.0620	15,985	0.85	13,587	7,475	1301	
35 to 39	0.0460	13,390	0.85	11,382	4,793	484	
40 to 44	0.0220	6,510	0.85	5,534	1,500	51	
Age-Elig	ible Women:	60,972		51,826	24,232	3,724	0.539
	a	Not o	n Contracepti	on/Not See	eking Pregnancy		
Δ	% of Eligible	// - f \A/	1.70 =	// - f \\/	Enrolled Children:	Enrolled Children:	Famalla d I Daman
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395		0.0		0		
20 to 24	0.2284	58,379	0.0	0	0	0	n/a
25 to 29	0.1427	34,605	0.0	0	0	0	n/a
30 to 34	0.1336	35,708	0.0	0	0	0	n/a
35 to 39 40 to 44	0.1896 0.2552	56,083 75,017	0.0	0	0	0	n/a n/a
	ible Women:		0.0	0	0	0	II/a
Age-Liig	ble Women.	418,183	Current C	ontracontiv	e Users (at enrol	Imont)	
	% of Eligible		Current Co	Пиасерич	Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.298	73,181	0.0	0	0	0	n/a
20 to 24	0.634	147,678	0.0	0	0	0	n/a
25 to 29	0.693	169,345	0.0	0	0	0	n/a
30 to 34	0.727	189,099	0.0	0	0	0	n/a
35 to 39	0.729	214,440	0.0	0	0	0	n/a
40 to 44	0.715	209,404	0.0	0	0	0	n/a
	ible Women:	1,003,147	3.0	_			
Age-Lilg	IDIO VVOITICIT.	1,000,147			-		

Table C6. Estimated Household Sample Size for Five-Year Recruitment Period of CP/CSP Women with 65% Initial Enrollment Rate

Enrollmen							
	nent Period		5 Years (all bir			Women Enrolle	
		rollment R	ate:	65%	Distribution o	f Age-Eligible Wor	men by Age Group:
Number of	Households S	ampled:		4,234,553		Age Groups	Sampled Population
Unit Occup	ation Rate:			0.9		15 to 19	323,128
Contact Ra				0.95		20 to 24	312,522
	e Women Rate	:		0.57		25 to 29	318,608
Age-Eligible	e Women:			2,063,709		30 to 34	341,140
	Enrolled 1st L			82,712		35 to 39	384,798
Number of	Enrolled 2nd L	ive Births		17,288		40 to 44	383,514
Total Enroll	ed Live Births			100,000		Total	2,063,709
			Curre	ntly Pregn	ant (at enrollmer	nt)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	17,197	0.65	11,178	5,981	388	
20 to 24	0.1036	32,372	0.65	21,042	14,584	3621	
25 to 29	0.10329	32,895	0.65	21,382	16,308	4957	
30 to 34	0.07736	26,258	0.65	17,068	13,299	3396	
35 to 39	0.0354	13,526	0.65	8,792	6,772	1101	
40 to 44	0.00782	3,067	0.65	1,993	1,537	102	
Age-Elig	ible Women:	125,315		81,454	58,480	13,563	0.884
			Currently S	Seeking Pr	egnancy (at enro	llment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	3,104	0.65	2,018	643	31	
20 to 24	0.0340	10,692	0.65	6,950	3,227	555	
25 to 29	0.0610	19,009	0.65	12,356	6,595	1304	
30 to 34	0.0620	20,904	0.65	13,587	7,475	1301	
35 to 39	0.0460	17,510	0.65	11,382	4,793	484	
40 to 44	0.0220	8,513	0.65	5,534	1,500	51	
Age-Elig	ible Women:	79,732		51,826	24,232	3,724	0.539
		Not o	n Contracepti	on/Not See	eking Pregnancy		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	207,127	0.0	0	0	0	n/a
20 to 24	0.2284	76,341	0.0	0	0	0	n/a
25 to 29	0.1427	45,253	0.0	0	0	0	n/a
30 to 34	0.1336	46,695	0.0	0	0	0	n/a
35 to 39	0.1896	73,339	0.0	0	0	0	n/a
40 to 44	0.2552	98,099	0.0	0	0	0	n/a
Age-Elig	ible Women:	546,855		-	-	-	
			Current Co	ontraceptiv	e Users (at enrol		T
	% of Eligible	W = 6 3 5 4	1.2 F 2	W = 6 3 A 4	Enrolled Children:	Enrolled Children:	E
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group 0.298	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19		95,699	0.0	0	0	0	n/a
20 to 24	0.634	193,117	0.0	0	0	0	n/a
25 to 29	0.693	221,451	0.0	0	0	0	n/a
30 to 34	0.727	247,283	0.0	0	0	0	
35 to 39	0.729	280,422	0.0	0	0	0	
40 to 44	0.715	273,836	0.0	0	0	0	n/a
A ao Elia	ible Women:	1,311,807		-	-	-	

APPENDIX D

DETAILED OUTPUT OF PROBABILISTIC MODELS FOR PHYSICIAN'S OFFICE RECRUITMENT MODEL OF ALL WOMEN (Prior to Applying Correction Factors)

Distribution of Live Births by Pregnancy/Contraception Status:

80% Currently Pregnant
10% Seeking Pregnancy
5% Current Contraception Users
5% Not Using Contraception & Not Seeking Pregnancy

Table D1. Physician's Office Model: Estimated Sample Size of Women for Three-Year Recruitment Period of All Women with 80% Initial Enrollment Rate

Number of Enrolled 2nd Live Births 4,920 40 to 44 32,412			ial Enrollmer					
Number of Women Rate:	Recruitm	nent Period	d:	3 Years (all bir	rths by 39 n	nonths)	Women Recrui	ted: ALL
Lint Occupation Rate:	Estimate	d Initial Er	rollment R	ate:	80%	Distribution o	f Age-Eligible Wor	men by Age Group:
Lint Occupation Rate:	Number of	Women Targe	eted:		311,020		Age Groups	Sampled Population
Age-Bigble Women: 25 to 28 59.455 Age-Bigble Women: 295 da9 30 to 34 54.614 Number of Errolled 1st Live Births 4.920 Total Errolled Live Births 700,000 Total Errolled Children: 700,000 Total Errolled	Unit Occup	ation Rate:			1		15 to 19	
Age	Contact Ra	te:			0.95		20 to 24	57,681
Age	Age-Eligible	e Women Rate):		1		25 to 29	59,455
Number of Enrolled 1st Live Births 4,4920 40 to 44 32,412	Age-Eligible	e Women:			295,469		30 to 34	54,614
Total Common Total Common Total Common Comm	Number of	Enrolled 1st L	ive Births		95,080		35 to 39	44,496
Contacted Cont	Number of	Enrolled 2nd L	ive Births		4,920		40 to 44	32,412
Age Record Reco	Total Enroll	ed Live Births			100,000		Total	295,469
Age Record Reco			-	urrantly Drage	ant (at an	rollmont through	20 months)	
Age		% of Eligible		urrenuy Pregr	iani (ai eni			<u> </u>
Groups	Age	-	# of Momen	Initial Enrollment	# of Women			Forolled I Be per
15 to 19	_					•	· ·	
20 to 24						, ,		Lifolica Worlan
25 to 29					· · · · · ·	· · · · · · · · · · · · · · · · · · ·		
30 to 34								
35 to 39						·		
Age-Big ble Women: 134,766	-					·		
Age Rage R	35 to 39	0.0354	14,546	0.85	12,364	8,845	255	
Not on Seeking Pregnancy (at enrollment) Enrolled Children: Subsequent Pregs. (at birth Preg	40 to 44	0.00782	3,298	0.85	2,803	2,053	18	
Age	Age-Elig	ible Women:	134,766		114,551	75,774	4,226	0.698
Age				Currently S	Seeking Pr	egnancy (at enro	llment)	
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman		% of Eligible				Enrolled Children:	Enrolled Children:	
15 to 19	Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
20 to 24	Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
25 to 29	15 to 19	0.0090	1,050	0.85	893	279	7	
30 to 34	20 to 24	0.0340	3,617	0.85	3,075	1,327	97	
35 to 39	25 to 29	0.0610	6,432	0.85	5,467	2,617	176	
40 to 44 0.0220 2,880 0.85 2,448 571 3 Age Higible Women: Xeroup Section Contraception/Not Seeking Pregnancy (at enrollment) Age Group Groups # of Women in Groups # of Women Contacted Page Group Contacted Rate # of Women Contacted Page Group Contacted Rate # of Women Contacted Page Group Page Group Contacted Page Group Page	30 to 34	0.0620	7,073	0.85	6,012	2,894	133	
40 to 44 0.0220 2,880 0.85 2,448 571 3 Age Higible Women: Xeroup Section Contraception/Not Seeking Pregnancy (at enrollment) Age Group Groups # of Women in Groups # of Women Contacted Page Group Contacted Rate # of Women Contacted Page Group Contacted Rate # of Women Contacted Page Group Page	35 to 39	0.0460	5.925	0.85	5.036	1.854	40	
Not Not Not Contraception Not Seeking Pregnancy (at enrollment)						·		
Not on Contraception/Not Seeking Pregnancy (at enrollment) Age			·	0.00				0.436
Age	Age-Liig	ible Worneri.		n Contracenti				
Age Groups Women in Age Group # of Women Contacted Initial Enrollment Rate # of Women Enrolled 1st Monitored Preg. (at birth age) Subsequent Pregs. (at birth Pregs. (at		% of Fligible	Not o	ПСоппасери	OII/NOL Set			
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.6395 21,688 0.795 17,242 1,277 15 20 to 24 0.2284 7,994 0.795 6,355 1,857 74 25 to 29 0.1427 4,738 0.795 3,767 808 36 30 to 34 0.1336 4,889 0.795 3,887 520 12 35 to 39 0.1896 7,679 0.795 6,105 305 3 40 to 44 0.2552 10,272 0.795 8,166 92 0 Age Fligible Women: 57,261 45,522 4,859 141 0.110 Age Group % of Eligible Women in Age Group # of Women Rate # of Women Enrolled Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Woman Enrolled Woman 15 to 19 0.298 5,578 0.795 4,435 169	Age	_	# of Women	Initial Enrollment	# of Women			Enrolled I Bs ner
15 to 19	_					_	· ·	'
20 to 24						· · · · · · · · · · · · · · · · · · ·		
25 to 29								
30 to 34 0.1336						·		
35 to 39 0.1896								
40 to 44 0.2552 10,272 0.795 8,166 92 0 Age-Eligible Women: 57,261 45,522 4,859 141 0.110 Current Contraceptive Users (at enrollment) Age % of Eligible Women in Groups # of Women in Age Group # of Women Rate # of Women Enrolled Enrolled Children: Ist Monitored Preg. (at birth age) Subsequent Pregs. (at birth Pregs.) Enrolled Woman 15 to 19 0.298 5,578 0.795 4,435 169 2 20 to 24 0.634 11,257 0.795 8,949 1,047 27 25 to 29 0.693 12,908 0.795 10,262 1,570 40 30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0								
Age-Eligible Women: 57,261 45,522 4,859 141 0.110 Current Contraceptive Users (at enrollment) Age Group Group % of Eligible Women in Groups # of Women Rate # of Women Enrolled Enrolled Children: 1st Monitored Preg. (at birth age) Enrolled Children: Subsequent Pregs. (at birth Pregs. (at b								
Current Contraceptive Users (at enrollment) Subsequent Pregs. (at birth age) Contacted Conta		l		0.795	· ·			
Age Groups % of Eligible Women in Groups # of Women in Age Group # of Women in Contacted # of Women Rate # of Women Enrolled # of Women (at birth age) Enrolled Children: Subsequent (at birth age) Enrolled Children: Subsequent (at birth age) Enrolled LBs per Enrolled Woman 15 to 19 0.298 5,578 0.795 4,435 169 2 20 to 24 0.634 11,257 0.795 8,949 1,047 27 25 to 29 0.693 12,908 0.795 10,262 1,570 40 30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0	Age-Elig	ible Women:	57,261					0.110
Age Groups Women in Age Group # of Women Contacted Initial Enrollment Rate # of Women Enrolled 1st Monitored Preg. (at birth age) Subsequent Pregs. (at birth Pregs. (at birth Pregs. (at birth Pregs.) Enrolled LBs per Enrolled Woman 15 to 19 0.298 5,578 0.795 4,435 169 2 20 to 24 0.634 11,257 0.795 8,949 1,047 27 25 to 29 0.693 12,908 0.795 10,262 1,570 40 30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0				Current Co	ontraceptiv	•		
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.298 5,578 0.795 4,435 169 2 20 to 24 0.634 11,257 0.795 8,949 1,047 27 25 to 29 0.693 12,908 0.795 10,262 1,570 40 30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0								
15 to 19 0.298 5,578 0.795 4,435 169 2 20 to 24 0.634 11,257 0.795 8,949 1,047 27 25 to 29 0.693 12,908 0.795 10,262 1,570 40 30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0	_					0	•	
20 to 24 0.634 11,257 0.795 8,949 1,047 27 25 to 29 0.693 12,908 0.795 10,262 1,570 40 30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0						ν σ,		Enrolled Woman
25 to 29 0.693 12,908 0.795 10,262 1,570 40 30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0								
30 to 34 0.727 14,414 0.795 11,459 1,323 22 35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0		0.634	11,257			1,047	27	
35 to 39 0.729 16,346 0.795 12,995 653 5 40 to 44 0.715 15,962 0.795 12,690 141 0	25 to 29	0.693	12,908	0.795	10,262	1,570	40	
40 to 44 0.715 15,962 0.795 12,690 141 0	30 to 34	0.727	14,414	0.795	11,459	1,323	22	
	35 to 39	0.729	16,346	0.795	12,995	653	5	
Age-Eligible Women: 76,465 60,790 4,903 97 0.082	40 to 44	0.715	15,962	0.795	12,690	141	0	
	Age-Elia	ible Women:	76.465		60,790	4.903	97	0.082

Table D2. Physician's Office Model: Estimated Sample Size of Women for Three-Year Recruitment Period of All Women with 60% Initial Enrollment Rate

	ith 60% Init						
Recruitm	nent Period:		3 Years (all bir	ths by 39 m	onths)	Women Recruit	ed: ALL
Estimate	ed Initial En	rollment Rat	e:	60%	Distribution	of Age-Eligible Wo	men by Age Group:
Number of \	Women Target	ed:		410,722		Age Groups	Sampled Population
Unit Occupa	ation Rate:			1		15 to 19	61,990
Contact Rat	te:			0.95		20 to 24	75,977
Age-Eligible	e Women Rate:	:		1		25 to 29	78,250
Age-Eligible	e Women:			390,186		30 to 34	71,968
Number of I	Enrolled 1st Liv	e Births		95,080		35 to 39	58,870
Number of F	Enrolled 2nd Li	ve Births		4,920		40 to 44	43,131
Total Enrolle	ed Live Births			100,000		Total	390,186
			Currently Preg	nant (at eni	ollment, through	29 months)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment		Monitored Preg. (at		Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	24,185	0.65	15,720	8,223	190	
20 to 24	0.1036	45,525	0.65	29,591	18,921	1336	
25 to 29	0.10329	46,261	0.65	30,070	20,694	1524	
30 to 34	0.07736	36,927	0.65	24,002	17,039	904	
35 to 39	0.0354	19,022	0.65	12,364	8,845	255	
40 to 44	0.00782	4,313	0.65	2,803	2,053	18	
Age-Eligil	ble Women:	176,232		114,551	75,774	4,226	0.698
			Currently	Seeking Pr	egnancy (at enrol	lment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at		Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	1,373	0.65	893	279	7	
20 to 24	0.0340	4,730	0.65	3,075	1,327	97	
25 to 29	0.0610	8,411	0.65	5,467	2,617	176	
30 to 34	0.0620	9,249	0.65	6,012	2,894	133	
35 to 39	0.0460	7,747	0.65	5,036	1,854	40	
40 to 44	0.0220	3,767	0.65	2,448	571	3	
Age-Eligil	ble Women:	35,278		22,930	9,544	456	0.436
		Not	on Contracept	tion/Not Se	eking Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.6395	28,978	0.595	17,242	1,277	15	
20 to 24	0.2284	10,681	0.595	6,355	1,857	74	
25 to 29	0.1427	6,331	0.595	3,767	808	36	
30 to 34	0.1336	6,533	0.595	3,887	520	12	
35 to 39	0.1896	10,261	0.595	6,105	305	3	
40 to 44	0.2552	13,725	0.595	8,166	92	0	
	ble Women:	76,508		45,522	4,859	141	0.110
Age-Eligil			^		ve Users (at enroll	ment)	
Age-Eligil			Current C	ontraceptiv			
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Enrolled Children: 1st Monitored Preg. (at	Enrolled Children: Subsequent Pregs.	Enrolled LBs per
Age Groups	Women in Age Group	Contacted	Initial Enrollment Rate	# of Women Enrolled	Enrolled Children: 1st Monitored Preg. (at birth age)	Enrolled Children: Subsequent Pregs. (at birth age)	Enrolled LBs per Enrolled Woman
Age Groups 15 to 19	Women in Age Group 0.298	Contacted 7,453	Initial Enrollment Rate 0.595	# of Women Enrolled 4,435	Enrolled Children: 1st Monitored Preg. (at birth age) 169	Enrolled Children: Subsequent Pregs. (at birth age)	·
Age Groups 15 to 19 20 to 24	Women in Age Group 0.298 0.634	7,453 15,041	Initial Enrollment Rate 0.595 0.595	# of Women Enrolled 4,435 8,949	Enrolled Children: 1st Monitored Preg. (at birth age) 1,047	Enrolled Children: Subsequent Pregs. (at birth age)	·
Age Groups 15 to 19	Women in Age Group 0.298	Contacted 7,453	Initial Enrollment Rate 0.595	# of Women Enrolled 4,435	Enrolled Children: 1st Monitored Preg. (at birth age) 169	Enrolled Children: Subsequent Pregs. (at birth age) 2 27 40	·
Age Groups 15 to 19 20 to 24	Women in Age Group 0.298 0.634	7,453 15,041	Initial Enrollment Rate 0.595 0.595	# of Women Enrolled 4,435 8,949	Enrolled Children: 1st Monitored Preg. (at birth age) 1,047	Enrolled Children: Subsequent Pregs. (at birth age)	· ·
Age Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39	Women in Age Group 0.298 0.634 0.693 0.727 0.729	Contacted 7,453 15,041 17,247 19,259 21,840	Initial Enrollment Rate 0.595 0.595 0.595 0.595	# of Women Enrolled 4,435 8,949 10,262 11,459 12,995	Enrolled Children: 1st Monitored Preg. (at birth age) 169 1,047 1,570 1,323 653	Enrolled Children: Subsequent Pregs. (at birth age) 2 27 40 22 5	· ·
Age Groups 15 to 19 20 to 24 25 to 29 30 to 34	Women in Age Group 0.298 0.634 0.693 0.727	Contacted 7,453 15,041 17,247 19,259	Initial Enrollment Rate 0.595 0.595 0.595	# of Women Enrolled 4,435 8,949 10,262 11,459	Enrolled Children: 1st Monitored Preg. (at birth age) 169 1,047 1,570 1,323	Enrolled Children: Subsequent Pregs. (at birth age) 27 40 22	· ·

Table D3. Physician's Office Model: Estimated Sample Size of Women for Four-Year Recruitment Period of All Women with 80% Initial Enrollment Rate

		ial Enrollmen	t Rate				
Recruitm	ent Period:	:	4 Years (all bir	ths by 51 mo	onths)	Women Recruit	ed: ALL
Estimate	d Initial Eni	rollment Rat	e:	80%	Distribution	of Age-Eligible Wo	omen by Age Group:
Number of V	Vomen Target	ed:		251,324		Age Groups	Sampled Population
Unit Occupa	tion Rate:			1		15 to 19	36,449
Contact Rat	e:			0.95		20 to 24	48,786
Age-Eligible	Women Rate:			1		25 to 29	50,709
Age-Eligible				238,758		30 to 34	45,549
	Enrolled 1st Liv	e Births		91,800		35 to 39	34,592
Number of E	nrolled 2nd Li	ve Births		8,200		40 to 44	22,673
Total Enrolle	ed Live Births			100,000		Total	238,758
		(Currently Preg	nant (at enr	collment, through	41 months)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	17,588	0.85	14,949	7,866	265	
20 to 24	0.1036	33,107	0.85	28,141	18,321	1993	
25 to 29	0.10329	33,642	0.85	28,596	20,118	2408	
30 to 34	0.07736	26,854	0.85	22,826	16,521	1511	
35 to 39	0.0354	13,833	0.85	11,758	8,540	450	
40 to 44	0.00782	3,136	0.85	2,666	1,973	35	
Age-Eligik	ole Women:	128,160		108,936	73,338	6,662	0.734
			Currently	Seeking Pr	egnancy (at enrol	lment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	930	0.85	790	251	11	
20 to 24	0.0340	3,203	0.85	2,722	1,229	162	
25 to 29	0.0610	5,695	0.85	4,841	2,473	343	
30 to 34	0.0620	6,262	0.85	5,323	2,771	308	
35 to 39	0.0460	5,246	0.85	4,459	1,780	105	
40 to 44	0.0220	2,550	0.85	2,168	558	10	
Age-Eligik	ole Women:	23,886		20,303	9,061	939	0.493
		Not	on Contracept	tion/Not Se	eking Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.6395	14,374	0.795	11,428	1,131	32	
20 to 24	0.2284	5,298	0.795	4,212	1,861	177	
25 to 29	0.1427	3,140	0.795	2,497	775	86	
30 to 34	0.1336	3,241	0.795	2,576	505	32	
35 to 39	0.1896	5,090	0.795	4,046	296	9	
40 to 44	0.2552	6,808	0.795	5,412	95	1	
Age-Eligik	ole Women:	37,951		30,171	4,662	338	0.166
			Current C	ontraceptiv	e Users (at enroll		1
	% of Eligible		l <u>.</u>		Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.298	3,557	0.795	2,828	136	3	
20 to 24	0.634	7,178	0.795	5,707	974	62	
25 to 29	0.693	8,232	0.795	6,544	1,508	109	
30 to 34	0.727	9,192	0.795	7,308	1,298	68	
35 to 39 40 to 44	0.729	10,424	0.795	8,287	668 154	18	
	0.715	10,179	0.795			1	
Age-Eligik	ole Women:	48,762		38,765	4,739	261	0.129

Table D4. Physician's Office Model: Estimated Sample Size of Women for Four-Year Recruitment Period of All Women with 60% Initial Enrollment Rate

Women wi	ith 60% Initi	ial Enrollmen	ıt Rate				
Recruitm	ent Period:		4 Years (all bir	ths by 51 m	onths)	Women Recruit	ed: ALL
Estimate	d Initial En	rollment Rat	e:	60%	Distribution	of Age-Eligible Wo	men by Age Group:
	Nomen Target			331,251		Age Groups	Sampled Population
Unit Occupa	•			1		15 to 19	48,174
Contact Rat				0.95		20 to 24	64,152
	Women Rate:			1		25 to 29	66,635
Age-Eligible				314,688		30 to 34	59,917
	Enrolled 1st Liv	e Rirths		91,800		35 to 39	45,677
	Enrolled 2nd Li			8,200		40 to 44	30,133
Total Enrolle	ed Live Births			100,000		Total	314,688
			Currently Preg		rollment, through		
	% of Eligible			(0.000	Enrolled Children: 1st		
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	22,999	0.65	14,949	7,866	265	
20 to 24	0.1036	43,294	0.65	28,141	18,321	1993	
25 to 29	0.10329	43,993	0.65	28,596	20,118	2408	
30 to 34	0.10329	35,117	0.65	22,826	16,521	1511	
				·			
35 to 39	0.0354	18,089	0.65	11,758	8,540	450	
40 to 44	0.00782	4,101	0.65	2,666	1,973	35	
Age-Eligil	ole Women:	167,594		108,936	73,338	6,662	0.734
			Currently	Seeking Pr	egnancy (at enrol	lment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	1,216	0.65	790	251	11	
20 to 24	0.0340	4,188	0.65	2,722	1,229	162	
25 to 29	0.0610	7,447	0.65	4,841	2,473	343	
30 to 34	0.0620	8,189	0.65	5,323	2,771	308	
35 to 39	0.0460	6,860	0.65	4,459	1,780	105	
40 to 44	0.0220	3,335	0.65	2,168	558	10	
Ago Eligib	ole Women:	31,235		20,303	9,061	939	0.493
Age-Eligii	ole women.		on Controcon		,		0.493
	0/ - (Eli - il-l-	NOt	on Contracep	tion/Not Se	eking Pregnancy		T.
۸۵۵	% of Eligible Women in	# of \\/omon	Initial Envalue ant	# of Women	Enrolled Children: 1st	Enrolled Children:	Enrolled I De nor
Age Groups	Age Group	# of Women Contacted	Initial Enrollment Rate	Enrolled	Monitored Preg. (at birth age)	Subsequent Pregs. (at birth age)	Enrolled LBs per Enrolled Woman
					<u> </u>	, ,	
15 to 19	0.6395		0.595	,			
20 to 24	0.2284	7,079	0.595	4,212		177	
25 to 29	0.1427	4,196	0.595	2,497	775	86	
30 to 34	0.1336	4,330	0.595	2,576		32	
35 to 39	0.1896	6,800	0.595	4,046		9	
40 to 44	0.2552	9,096	0.595	5,412	95	1	
Age-Eligil	ole Women:	50,707		30,171	4,662	338	0.166
			Current C	ontraceptiv	ve Users (at enroll		T T T T T T T T T T T T T T T T T T T
Λ	% of Eligible	4 -414/-	takat Fores	# = £ \ \ \ -	Enrolled Children: 1st	Enrolled Children:	Ennalle d. L.D.:
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate 0.595	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.298	4,753		2,828	136 974	3 62	
20 to 24	0.634	9,591	0.595	5,707			
25 to 29	0.693	10,999	0.595	6,544	1,508	109	
30 to 34	0.727	12,282	0.595	7,308	1,298	68	
35 to 39	0.729	13,927	0.595	8,287	668	18	
40 to 44	0.715	13,600	0.595	8,092	154	1	
Age-Eligil	ole Women:	65,152		38,765	4,739	261	0.129

Table D5. Physician's Office Model: Estimated Sample Size of Women for Five-Year Recruitment Period of All Women with 80% Initial Enrollment Rate

	Initial Enrol	Iment Rate					
Recruitm	ent Period:		5 Years (all bir	ths by 63 m	onths)	Women Recruit	ed: ALL
Estimate	d Initial En	ollment Rat	e:	80%	Distribution	of Age-Eligible Wo	men by Age Group:
Number of \	Women Target	ed:		240,222		Age Groups	Sampled Population
Unit Occupa	ation Rate:			1		15 to 19	28,463
Contact Rat	te:			0.95		20 to 24	46,803
Age-Eligible	Women Rate:			1		25 to 29	50,201
Age-Eligible	Women:			228,211		30 to 34	45,623
	Enrolled 1st Liv	e Births		88,851		35 to 39	34,728
Number of E	Enrolled 2nd Li	ve Births		11,149	_	40 to 44	22,392
Total Enrolle	ed Live Births			100,000		Total	228,211
		(Currently Preg	nant (at eni	ollment, through	53 months)	
	% of Eligible				Enrolled Children: 1st		
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	16,810	0.85	14,288	7,547	308	
20 to 24	0.1036	31,643	0.85	26,896	17,766	2522	
25 to 29	0.10329	32,154	0.85	27,331	19,594	3215	
30 to 34	0.07736	25,666	0.85	21,816	16,064	2100	
35 to 39	0.0354	13,221	0.85	11,238	8,274	651	
40 to 44	0.00782	2,997	0.85	2,548	1,903	56	
Age-Eligil	ble Women:	122,492	•	104,118	71,149	8,851	0.768
			Currently	Seeking Pr	egnancy (at enrol	lment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	849	0.85	722	230	11	
20 to 24	0.0340	2,924	0.85	2,486	1,154	198	
25 to 29	0.0610	5,200	0.85	4,420	2,359	466	
30 to 34	0.0620	5,718	0.85	4,860	2,674	465	
35 to 39	0.0460	4,790	0.85	4,071	1,715	173	
40 to 44	0.0220	2,329	0.85	1,979	536	18	
Age-Eligil	ble Women:	21,809		18,538	8,668	1,332	0.539
			on Contracep		eking Pregnancy		
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.6395	5,800	0.795	4,611	948	36	
20 to 24	0.2284	2,138	0.795	1,699	1,896	283	
25 to 29	0.1427	1,267	0.795	1,007	762	142	
30 to 34	0.1336	1,308	0.795	1,040		55	
35 to 39	0.1896	2,054	0.795	1,633		16	
40 to 44	0.2552	2,747	0.795	2,184		2	
Age-Eligil	ble Women:	15,313		12,174	4,467	533	0.411
			Current C	ontraceptiv	ve Users (at enroll	ment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
· • • • • • • • • • • • • • • • • • • •	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
Groups				3,978	110	3	
15 to 19	0.298	5,004	0.795		_		
15 to 19 20 to 24	0.634	10,098	0.795	8,028	907	90	
15 to 19 20 to 24 25 to 29	0.634 0.693	10,098 11,580	0.795 0.795	8,028 9,206	1,450	178	
15 to 19 20 to 24 25 to 29 30 to 34	0.634 0.693 0.727	10,098 11,580 12,931	0.795 0.795 0.795	8,028 9,206 10,280	1,450 1,268	178 123	
15 to 19 20 to 24 25 to 29 30 to 34 35 to 39	0.634 0.693 0.727 0.729	10,098 11,580 12,931 14,664	0.795 0.795 0.795 0.795	8,028 9,206 10,280 11,658	1,450 1,268 670	178 123 36	
15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44	0.634 0.693 0.727	10,098 11,580 12,931	0.795 0.795 0.795	8,028 9,206 10,280	1,450 1,268	178 123	0.092

Table D6. Physician's Office Model: Estimated Sample Size of Women for Five-Year Recruitment Period of All Women with 60% Initial Enrollment Rate

with 60%	Initial Enrol	lment Rate					
Recruitm	nent Period	d:	5 Years (all bir	rths by 63 n	nonths)	Women Recrui	ted: ALL
Estimate	d Initial Er	rollment R	ate:	60%	Distribution o	f Age-Eligible Wor	nen by Age Group:
Number of	Women Targe	eted:		316,648		Age Groups	Sampled Population
Unit Occup	ation Rate:			1		15 to 19	37,528
Contact Ra	te:			0.95		20 to 24	61,552
Age-Eligible	e Women Rate):		1		25 to 29	66,013
Age-Eligible				300,816		30 to 34	60,065
	Enrolled 1st L	ive Births		88,851		35 to 39	45,889
Number of	Enrolled 2nd L	ive Births		11,149		40 to 44	29,768
Total Enroll	ed Live Births			100,000		Total	300,816
		-	urrantly Drage	ant (at an	rollmont through	F2 months)	
	% of Eligible	<u> </u>	urreniliy Fregi	iani (at em	rollment, through Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	21,982	0.65	14,288	7,547	308	Life iou Worldin
20 to 24	0.1036		0.65	· · · · · ·	·	2522	
		41,379		26,896	17,766		
25 to 29	0.10329	42,048	0.65	27,331	19,594	3215	
30 to 34	0.07736	33,564	0.65	21,816	16,064	2100	
35 to 39	0.0354	17,289	0.65	11,238	8,274	651	
40 to 44	0.00782	3,920	0.65	2,548	1,903	56	
Age-Elig	ble Women:	160,182		104,118	71,149	8,851	0.768
			Currently S	Seeking Pr	egnancy (at enro	•	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment		1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	1,110	0.65	722	230	11	
20 to 24	0.0340	3,824	0.65	2,486	1,154	198	
25 to 29	0.0610	6,800	0.65	4,420	2,359	466	
30 to 34	0.0620	7,477	0.65	4,860	2,674	465	
35 to 39	0.0460	6,263	0.65	4,071	1,715	173	
40 to 44	0.0220	3,045	0.65	1,979	536	18	
Age-Eligi	ible Women:	28,520		18,538	8,668	1,332	0.539
- 5 5			n Contracepti		eking Pregnancy		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	7,750	0.595	4,611	948	36	
20 to 24	0.2284	2,856	0.595	1,699	1,896	283	
25 to 29	0.1427	1,693	0.595	1,007	762	142	
30 to 34	0.1336	1,747	0.595	1,040	485	55	
35 to 39	0.1896	2,744	0.595	1,633	281	16	
40 to 44	0.2552	3,670	0.595	2,184	95	2	
			0.595				0.444
Age-Elig	ble Women:	20,460	0	12,174	4,467	533	0.411
	O/ of Flinible		Current Co	ontraceptiv	ve Users (at enrol		
۸ ۵۵	% of Eligible Women in	# of \Momon	Initial Enrollment	# of Women	Enrolled Children:	Enrolled Children:	Envalled I De nev
Age Groups	Age Group	# of Women Contacted	Rate	# or vvomen Enrolled	1st Monitored Preg. (at birth age)	Subsequent Pregs. (at birth	Enrolled LBs per Enrolled Woman
	<u> </u>				` ,		LITOREG VVOITALI
15 to 19	0.298	6,686	0.595	3,978	110	3	
20 to 24	0.634	13,493	0.595	8,028	907	90	
25 to 29	0.693	15,472	0.595	9,206	1,450	178	
30 to 34	0.727	17,277	0.595	10,280	1,268	123	
35 to 39	0.729	19,593	0.595	11,658	670	36	
40 to 44	0.715	19,133	0.595	11,384	163	3	
Age-Elig	ible Women:	91,654		54,534	4,568	432	0.092

APPENDIX E

DETAILED OUTPUT OF PROBABILISTIC MODELS FOR PHYSICIAN'S OFFICE RECRUITMENT MODEL OF CURRENTLY PREGNANT WOMEN AND WOMEN SEEKING PREGNANCY (Prior to Applying Correction Factors)

Distribution of Live Births by Pregnancy/Contraception Status:

80% Currently Pregnant 20% Seeking Pregnancy

Table E1. Physician's Office Model: Estimated Sample Size of Women for Three-Year Recruitment Period of CP/CSP Women with 80% Initial Enrollment Rate

	nent Period	ial Enrollmen	3 Years (all bi	the by 30 n	nonthe)	Women Recrui	tod: CB/CSB
			,		·		
		rollment Ra	ate:	85%	Distribution o		men by Age Group:
	Women Targe	eted:		198,653		Age Groups	Sampled Population
Unit Occup				1		15 to 19	20,595
Contact Ra		-		0.95		20 to 24 25 to 29	42,048
	e Women Rate): 		100 700			48,240
Age-Eligible	e vvomen: Enrolled 1st L	i co Dietho		188,720		30 to 34	42,384
	Enrolled 1st L			94,862 5,138		35 to 39 40 to 44	26,395 9,059
	ed Live Births			100,000		Total	188,720
Total Lillon	ed Live Billins						166,720
		Cı	urrently Pregr	nant (at en	ollment, through		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment		1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	18,494	0.85	15,720	8,223	190	
20 to 24	0.1036	34,813	0.85	29,591	18,921	1336	
25 to 29	0.10329	35,376	0.85	30,070	20,694	1524	
30 to 34	0.07736	28,238	0.85	24,002	17,039	904	
35 to 39	0.0354	14,546	0.85	12,364	8,845	255	
40 to 44	0.00782	3,298	0.85	2,803	2,053	18	
Age-Eligi	ible Women:	134,766		114,551	75,774	4,226	0.698
			Currently S	Seeking Pr	egnancy (at enro	llment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	2,101	0.85	1,786	558	14	
20 to 24	0.0340	7,235	0.85	6,150	2,655	193	
25 to 29	0.0610	12,863	0.85	10,934	5,235	352	
30 to 34	0.0620	14,145	0.85	12,024	5,789	267	
35 to 39	0.0460	11,849	0.85	10,072	3,708	80	
40 to 44	0.0220	5,761	0.85	4,897	1,143	6	
Age-Eligi	ible Women:	53,954		45,861	19.088	912	0.436
7.90 =9		· · · · · · · · · · · · · · · · · · ·	n Contracenti	· ·	eking Pregnancy		
	% of Eligible	1101 0			Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	0	0.0	0	0	0	n/a
20 to 24	0.2284	0	0.0	0	0	0	n/a
25 to 29	0.1427	0	0.0	0	0	0	n/a
30 to 34	0.1336	0	0.0	0	0	0	n/a
35 to 39	0.1896	0	0.0	0	0	0	n/a
40 to 44	0.2552	0	0.0	0	0	0	n/a
			0.0		Ŭ		11/4
Age-⊟igi	ble Women:	-	Commond C		·	- 	
	% of Eligible		Current C	ontraceptiv	ve Users (at enrol Enrolled Children:	Enrolled Children:	
Δαο	% of Eligible Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Age Groups	Age Group	# or women Contacted	Rate	# or women Enrolled	(at birth age)	Pregs. (at birth	Enrolled Lbs per
15 to 19	0.298	Contacted 0		0	(at bil til age)	1 regs. (at birtin	n/a
20 to 24	0.634	0	0.0	0	0	0	n/a
25 to 29	0.693	0	0.0	0	0	0	n/a
30 to 34	0.727	0	0.0	0	0	0	n/a
35 to 39	0.729	0	0.0	0	0	0	n/a
40 to 44	0.715	0	0.0	0	0	0	n/a
Age-Eligi	ible Women:	-		-	-	-	

Table E2. Physician's Office Model: Estimated Sample Size of Women for Three-Year Recruitment Period of CP/CSP Women with 60% Initial Enrollment Rate

Contact Rate: 0.95 20 to 24 54,986 Age-Eligible Women Rate: 1 25 to 29 63,083 Age-Eligible Women: 246,788 30 to 34 55,428 Number of Enrolled 1st Live Births 94,862 35 to 39 34,517 Number of Enrolled 2nd Live Births 5,138 40 to 44 11,846			ial Enrollmen		who by 20 m	a antha \	Warran Daamii	4- d. CD/CCD
Age								
Currently Pregnant (at enrollment, through 29 months) Frorited Children: State S				ate:		Distribution o		
Contact Rate:	Number of	Women Targe	eted:		259,776			Sampled Population
Age-Eligible Women Age					1			26,932
Age	Contact Ra	te:			0.95		20 to 24	54,986
Mumber of Errolled 2nd Live Births 94,862 40 to 44 11.348) :		1		25 to 29	63,083
Age	Age-Eligible	e Women:			246,788		30 to 34	55,425
Total 246,788	Number of	Enrolled 1st L	ive Births		94,862		35 to 39	34,517
Currently Pregnant (at enrollment, through 29 months)	Number of	Enrolled 2nd L	_ive Births		5,138		40 to 44	11,846
Age Se of Eligible Momen in Age Group Contacted Face Face	Total Enroll	ed Live Births			100,000		Total	246,788
Age Group Kge Group (Contacted Groups) # of Women in Contacted Groups mital Enrollend Enrolled Enrolled (at birth age) Last Monitored Preg. (at birth age) Enrolled Moman (at birth age) Pregs. (at birth age) Enrolled Woman (at birth age) Pregs. (at birth age) Enrolled Woman (at birth age) Pregs. (at birth age) Pregs. (at birth age) Prolled Woman (at birth age) Pregs. (at birth age) Prolled (at birth age) Pregs. (at birth age) Prolled Woman (at birth age) Pregs. (at birth age) Pregs. (at birth age) Prolled (at birth age) Pregs. (at birth age)			Cı	urrently Pregr	nant (at en			
Groups		_						
15 to 19	•						•	•
20 to 24 0.1036							Pregs. (at birth	Enrolled Woman
25 to 29	15 to 19	0.05349	24,185	0.65	15,720	8,223	190	
30 to 34 0.07736 36,927 0.65 24,002 17,039 9.04	20 to 24	0.1036	45,525	0.65	29,591	18,921	1336	
35 to 39 0.0354 19,022 0.65 12,364 8,845 2.55 40 to 44 0.00762 4,313 0.65 2,803 2,053 18	25 to 29	0.10329	46,261	0.65	30,070	20,694	1524	
Age	30 to 34	0.07736	36,927	0.65	24,002	17,039	904	
Age	35 to 39	0.0354	19,022	0.65	12,364	8,845	255	
Note Service Service	40 to 44	0.00782	4,313	0.65	2,803	2,053	18	
Note Service Service	Age-Eligi	ible Women:	176.232		114.551	75.774	4.226	0.698
Age	3, 3			Currently S	· ·		,	
Age Group Women in Groups # of Women in Groups <td></td> <td>% of Eligible</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		% of Eligible						
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.0090 2,747 0.65 1,786 558 14 20 to 24 0.0340 9,461 0.65 6,150 2,655 193 25 to 29 0.0610 16,821 0.65 10,934 5,235 352 30 to 34 0.0620 18,498 0.65 10,072 3,708 80 40 to 44 0.0220 7,533 0.65 4,897 1,143 6 Age-Bigible Women: 70,555 45,861 19,088 912 0,436 Age Group Age Group Not or Contracted 46,861 19,088 912 0,436 6 roups Age Group For Eligible Momen in Age Group For Women Rate For Olled Children: Stat Mortored Pregs. (at birth age) Subsequent Pregs. (at birth age) 1,74a 1,74a 1,74a 1,74a 1,74a 1,74a 1,74a 1,74a 1,74a 1	Age	-	# of Women	Initial Enrollment	# of Women			Enrolled LBs per
15 to 19	•		Contacted	Rate	Enrolled	_	•	•
20 to 24		0.0090	2,747	0.65	1,786	558	-	
25 to 29	20 to 24		9.461	0.65		2.655	193	
30 to 34 0.0620 18,498 0.65 12,024 5,789 267						·		
35 to 39					-			
40 to 44						·		
Age High Horizon H						·		
Not Contraception/Not Seving Pregnancy (at enrollment)				0.00				0.426
Mage Women in Age Group Contacted Rate Enrolled Children: 1st Monitored Preg. (at birth age) Enrolled LBs per Enrolled Children: Enroll	Age-⊨iig	ible vvorrien.	· · ·	n Controponti	· ·	-,		0.436
Age Groups Women in Groups # of Women in Groups <td></td> <td>% of Eligible</td> <td>NOT O</td> <td>ПСопиасери</td> <td>on/Not See</td> <td></td> <td></td> <td></td>		% of Eligible	NOT O	ПСопиасери	on/Not See			
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.6395 0 0.0 0 0 0 0 n/a 20 to 24 0.2284 0 0.0 0 0 0 0 n/a 25 to 29 0.1427 0 0.0 0 0 0 0 n/a 30 to 34 0.1336 0 0.0 0 0 0 0 n/a 35 to 39 0.1896 0 0.0 0 0 0 0 n/a 40 to 44 0.2552 0 0.0 0 0 0 0 n/a Age-Eligible Women: For Eligible Women in Age Group # of Women Rate # of Women Enrolled # of Women Enrolled # of Women Enrolled Enrolled Children: Subsequent Pregs. (at birth Age) Enrolled LBs per Enrolled Woman Enrolled Woman Enrolled Woman 20 to 24 0.634 0 0 0 0 0	Δαο		# of Women	Initial Enrollment	# of Women			Enrolled I Bs per
15 to 19 0.6395 0 0.0 0 0 0 0 0 n/a 20 to 24 0.2284 0 0.0 0 0 0 0 0 n/a 25 to 29 0.1427 0 0.0 0 0 0 0 0 n/a 30 to 34 0.1336 0 0.0 0 0 0 0 0 n/a 35 to 39 0.1896 0 0.0 0 0 0 0 0 n/a 40 to 44 0.2552 0 0.0 0 0 0 0 0 n/a Age-Bigible Women:	•					Ŭ	•	'
20 to 24						, ,		
25 to 29								
30 to 34					_			
35 to 39								
40 to 44 0.2552 0 0.0 0 0 n/a Age-Eligible Women: -								
Age-Eligible Women: -								
Current Contraceptive Users (at enrollment) Subsequent Pregs. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Woman Enrolled LBs per Enrolled Woman Enrolled LBs per Enrolled Woman Enrolled Woman Enrolled Voman Enrolled Voman Enrolled Voman Enrolled Voman Enrolled Children: Enrolled Voman En			0	0.0	0	0	0	n/a
Age Groups # of Women in Age Group # of Women in Contacted Initial Enrollment Rate # of Women Enrolled Enrolled Children: 1st Monitored Preg. (at birth age) Subsequent Pregs. (at birth Enrolled Woman Enrolled LBs per Enrolled Woman 15 to 19 0.298 0 0.0 0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a	Age-Elig	ible Women:	-		<u>-</u>	-	<u> </u>	
Age Groups Women in Groups # of Women Age Group Initial Enrollment Rate # of Women Enrolled 1st Monitored Preg. (at birth age) Subsequent Pregs. (at birth Enrolled Woman Enrolled LBs per Enrolled Woman 15 to 19 0.298 0 0.0 0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a				Current Co	ontraceptiv			
Groups Age Group Contacted Rate Enrolled (at birth age) Pregs. (at birth Enrolled Woman 15 to 19 0.298 0 0.0 0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a		-	11 -6301	1.30-1 =	,,,,,,,			E
15 to 19 0.298 0 0.0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a	_							
20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a								
25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a								
30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a								
35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a								
40 to 44 0.715 0 0.0 0 0 0 n/a						0		
			0	0.0	0	0	0	n/a
Age-Eligible Women:	40 to 44	0.715	0	0.0	0	0	0	n/a
	Age-Elig	ible Women:	-		-	-	-	

Table E3. Physician's Office Model: Estimated Sample Size of Women for Four-Year Recruitment Period of CP/CSP Women with 80% Initial Enrollment Rate

Unit Occupation Rate: 1 1 15 to 19 19,4 Contact Rate: 0.95 20 to 24 39,5 Age-Eligible Women Rate: 1 25 to 29 45,0 Age-Eligible Women: 175,932 30 to 34 39,3 Number of Enrolled 1st Live Births 91,460 Number of Enrolled 2nd Live Births 8,540 Total Enrolled Live Births 100,000 Total 175,9 Total 17	Women wi	ith 80% Initi	ial Enrollmen	t Rate				
Number of Women Targetest 185,191	Recruitm	ent Period:		4 Years (all bir	ths by 51 m	onths)	Women Recruit	ed: CP/CSP
1	Estimate	d Initial En	rollment Rat	e:	85%	Distribution	of Age-Eligible Wo	omen by Age Group:
Contact Rate:	Number of \	Women Target	ed:		185,191			Sampled Population
Contact Rate Contact Rate Contact Rate Contact Rate Rate Foroiled Children: 1st Subsequent Pregs. Contact Rate Contact Rate Rate Contact	Unit Occupa	ation Rate:			1		15 to 19	19,448
Age					0.95		20 to 24	39,513
Number of Enrolled 1st Live Births	Age-Eligible	Women Rate:			1		25 to 29	45,031
Number of Enrolled 1st Live Births 14,60 35 to 39 24.3	Age-Eligible	Women:			175,932		30 to 34	39,378
Number of Enrolled 2nd Live Births	_		e Births		•		35 to 39	24,324
No. Currently Pregnant (at enrollment, through 41 months Age Groups	Number of E	Enrolled 2nd Li	ve Births		•			8,237
Currently Pregnant (at enrollment, through 41 months) Age Group Age Group Contacted Initial Enrollment # of Women in Groups Age Group Contacted Initial Enrollment # of Women in Groups Age Group Contacted Initial Enrollment # of Women in Groups Age Group Contacted Initial Enrollment # of Women in Groups Age Group	Total Enrolle	ed Live Births			100,000		Total	175,932
Money Mone			(Currently Pregu	nant (at eni	collment through	41 months)	
Age		% of Eligible		Juli Citaly 1 Tog	nant (at oni	· · · · · · · · · · · · · · · · · · ·		<u> </u>
Groups	Age	-	# of Women	Initial Enrollment	# of Women			Enrolled I Bs per
15 to 19	_						,	·
20 to 24				0.85		• ,		
25 to 29			1		,			
30 to 34			1		1			
35 to 39			-					
Age-Eligible Women: 128,160 108,936 73,338 6,662 0.73								
Age-Eligible Women: 128,160 108,936 73,338 6,662 0.75						· · · · · · · · · · · · · · · · · · ·		
Currently Seeking Pregnancy (at enroll-ment) Enrolled Children: Subsequent Pregnancy Seeking Pregnancy Seeking Pregnancy Seeking Seeking Pregnancy Seeking S	40 to 44	0.00782	3,136	0.85	2,666	1,973	35	
Age Women Groups Age Group Contacted Rate Enrolled Children: 1st Monitored Preg. (at birth age) Enrolled Children: 1st Enrolled Ch	Age-Eligil	ble Women:	128,160					0.734
Age Momen in Age Group Contacted Age Group Contacted Age Group Age Group Contacted Age Group				Currently	Seeking Pr	egnancy (at enrol	lment)	
Groups Age Group Contacted Rate Enrolled birth age) (at birth age) Enrolled Woman		% of Eligible				Enrolled Children: 1st	Enrolled Children:	
15 to 19	Age			Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
20 to 24	Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
25 to 29	15 to 19	0.0090	1,860	0.85	1,581	501	21	
30 to 34	20 to 24	0.0340	6,406	0.85	5,445	2,458	324	
35 to 39	25 to 29	0.0610	11,389	0.85	9,681	4,946	686	
35 to 39	30 to 34	0.0620	12,525	0.85	10,646	5,541	617	
Age-Eligible Women: 47,772 40,606 18,122 1,878 0.45	35 to 39	0.0460	10.491	0.85			211	
Age-Eligible Women: 47,772			·			·		
Not on Contraception/Not Seeking Pregnancy (at enrollment) Age		blo Woman:					1 070	0.402
Age Group Women in Groups Hof Women Hof Women Groups Hof Women Rate Hof Women Enrolled Hof Women Subsequent Pregs. (at birth age) Enrolled LBs per Enrolled Woman	Age-Liigii	ole women.		on Contracon				0.493
Age Groups Women in Age Group # of Women Contacted Initial Enrollment Rate # of Women Enrolled Monitored Preg. (at birth age) Subsequent Pregs. (at birth age) Enrolled LBs per Enrolled Woman 15 to 19 0.6395 0 0.0 0		0/ of Elizible	NOL	on Contracept	lion/Not 3e			
Groups Age Group Contacted Rate Enrolled birth age) (at birth age) Enrolled Woman	Δαο	-	# of Women	Initial Enrollment	# of Women			Enrolled I Be per
15 to 19	_							'
20 to 24 0.2284 0 0.0 0 0 0 0 0 0 0						• /	` ,	
25 to 29								
30 to 34						_		
35 to 39 0.1896 0 0.0 0 0 0 0 0 0 0						_		
Age-Eligible Women:						_		
Age-Eligible Women: -								
Current Contraceptive Users (at enrollment) Subsequent Pregs. (at birth age) Enrolled Woman Formula Enrolled Woman Enrolled Woman Subsequent Pregs. (at birth age) Enrolled Woman Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Woman Enrolled Enrolled Woman Enrolled Enrolled Woman Enrolled Enrolled Woman Enrolled Enro			0	0.0	0	0	0	n/a
Age Groups % of Eligible Women in Age Group # of Women Rate # of Women Enrolled # of Women Enrolled Enrolled Children: Subsequent Pregs. (at birth age) Enrolled Children: Subsequent Pregs. (at birth age) Enrolled LBs per Enrolled Woman 15 to 19 0.298 0 0.0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a	Age-Eligil	ble Women:	-		-	-	-	
Age Groups Women in Age Group # of Women Contacted Initial Enrollment Rate # of Women Enrolled Monitored Preg. (at birth age) Subsequent Pregs. (at birth age) Enrolled LBs per Enrolled Woman 15 to 19 0.298 0 0.0 0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a				Current C	ontraceptiv			ı
Groups Age Group Contacted Rate Enrolled birth age) (at birth age) Enrolled Woman 15 to 19 0.298 0 0.0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a			// - 6 NA /	Lawrence	// - f \A/			E
15 to 19 0.298 0 0.0 0 0 0 n/a 20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a	-							
20 to 24 0.634 0 0.0 0 0 0 n/a 25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a								
25 to 29 0.693 0 0.0 0 0 0 n/a 30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a						_		
30 to 34 0.727 0 0.0 0 0 0 n/a 35 to 39 0.729 0 0.0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a								
35 to 39 0.729 0 0.0 0 0 0 0 n/a 40 to 44 0.715 0 0.0 0 0 0 n/a	25 to 29					0	0	n/a
40 to 44 0.715 0 0.0 0 0 0 n/a	30 to 34	0.727	0	0.0	0	0	0	n/a
	35 to 39	0.729	0	0.0	0	0	0	n/a
Age-Eligible Women:	40 to 44	0.715	0	0.0	0	0	0	n/a
	Age-Eligil	ble Women:	-		-	-	-	

Table E4. Physician's Office Model: Estimated Sample Size of Women for Four-Year Recruitment Period of CP/CSP Women with 60% Initial Enrollment Rate

	ith 60% Initi ent Period:	ial Enrollmen	t Rate 4 Years (all bir	ths by 51 m	onths)	Women Recruit	ed: CP/CSP
		rollment Rat	,	65%	Distribution of Age-Eligible Women by Age G		
	Nomen Target		C.	242,173	Distribution	Age Groups	Sampled Population
Unit Occupa	ū	eu.		242,173		15 to 19	25,431
Contact Rat				0.95		20 to 24	51,670
				0.95		25 to 29	58,887
	Women Rate:			230,064		30 to 34	51,495
Age-Eligible	e vvornen. Enrolled 1st Liv	o Dirtho		91,460		35 to 39	31,809
	Enrolled 1st Liv			8,540		40 to 44	10,771
	ed Live Births	VC DITTIS		100,000		Total	230,064
		(Currently Prequ	nant (at eni	rollment, through	41 months)	
	% of Eligible		J		Enrolled Children: 1st		
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at		Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	22,999	0.65	14,949	7,866	265	
20 to 24	0.1036	43,294	0.65	28,141	18,321	1993	
25 to 29	0.10329	43,993	0.65	28,596	20,118	2408	
30 to 34	0.10329	35,117	0.65	22,826	16,521	1511	
35 to 39							
	0.0354	18,089	0.65	11,758	8,540	450	
40 to 44	0.00782	4,101	0.65	2,666	1,973	35	
Age-Eligik	ole Women:	167,594	Currently	108,936	73,338 egnancy (at enrol	6,662	0.734
	O/ of Elimina		Currently	Seeking Fr			
٨٥٥	% of Eligible Women in	# of Women	Initial Enrollment	# of Women	Enrolled Children: 1st	Enrolled Children: Subsequent Pregs.	Enrolled LBs per
Age Groups	Age Group	Contacted	Rate	Enrolled	Monitored Preg. (at birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	2,432	0.65	1,581	501	21	
20 to 24	0.0340	8,377	0.65	5,445	2,458	324	
25 to 29	0.0610	14,894	0.65	9,681	4,946	686	
30 to 34	0.0620	16,378	0.65	10,646	5,541	617	
35 to 39	0.0460	13,719	0.65	8,918	3,561	211	
40 to 44	0.0220	6,670	0.65	4,336	1,115	19	
Age-Fligib	ole Women:	62,471		40,606	18,122	1,878	0.493
7 tgo Eligii	SIG TT GITIGIT.		on Contracept		eking Pregnancy	•	0.100
	% of Eligible		·		Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.6395	0	0.0	0	0	0	n/a
20 to 24	0.2284	0	0.0	0	0	0	n/a
25 to 29	0.1427	0	0.0	0	0	0	n/a
30 to 34	0.1336	0	0.0	0	0	0	n/a
35 to 39	0.1896	0	0.0	0	0	0	n/a
40 to 44	0.2552	0	0.0	0	0	0	n/a
	ole Women:	-		-	-	-	
			Current C	ontraceptiv	ve Users (at enroll	ment)	
	% of Eligible				Enrolled Children: 1st	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	Monitored Preg. (at		Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	birth age)	(at birth age)	Enrolled Woman
15 to 19	0.298	0	0.0	0	0	0	n/a
20 to 24	0.634	0	0.0	0	0	0	n/a
25 to 29	0.693	0	0.0	0	0	0	n/a
30 to 34	0.727	0	0.0	0	0	0	n/a
35 to 39	0.729	0	0.0	0	0	0	
40 to 44	0.729	0	0.0	0	0	0	n/a
			0.0		U	<u> </u>	11/4
Age-⊑iigit	ole Women:	-		-	-	-	

Table E5. Physician's Office Model: Estimated Sample Size of Women for Five-Year Recruitment Period of CP/CSP Women with 80% Initial Enrollment Rate

		ial Enrollmen		who by CO m	a a a tha \	Warran Daarri	4- d. OD/OOD
	nent Period		5 Years (all bi		,	Women Recrui	
		rollment R	ate:	85%	Distribution o		men by Age Group:
	Women Targe	eted:		174,853		Age Groups	Sampled Population
Unit Occup				1		15 to 19	18,508
Contact Ra				0.95		20 to 24	37,492
	e Women Rate):		1		25 to 29	42,554
Age-Eligible				166,111		30 to 34	37,102
	Enrolled 1st L			88,484		35 to 39	22,801
	Enrolled 2nd L			11,516		40 to 44	7,655
Total Enroll	ed Live Births			100,000		Total	166,111
		С	urrently Pregr	nant (at en	ollment, through		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment		1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	16,810	0.85	14,288	7,547	308	
20 to 24	0.1036	31,643	0.85	26,896	17,766	2522	
25 to 29	0.10329	32,154	0.85	27,331	19,594	3215	
30 to 34	0.07736	25,666	0.85	21,816	16,064	2100	
35 to 39	0.0354	13,221	0.85	11,238	8,274	651	
40 to 44	0.00782	2,997	0.85	2,548	1,903	56	
Age-Elig	ible Women:	122,492		104,118	71,149	8,851	0.768
0 0			Currently S	Seeking Pr	egnancy (at enro		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	1,698	0.85	1,443	460	22	
20 to 24	0.0340	5,849	0.85	4,972	2,309	397	
25 to 29	0.0610	10,399	0.85	8,839	4,718	933	
30 to 34	0.0620	11,436	0.85	9,720	5,347	931	
35 to 39	0.0460	9,579	0.85	8,142	3,429	346	
40 to 44	0.0220	4,657	0.85	3,959	1,073	36	
Age-Elig	ible Women:	43,619		37,076	17,336	2,664	0.539
- 5 5		Not o	n Contracepti	on/Not See	eking Pregnancy		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	0	0.0	0	0	0	n/a
20 to 24	0.2284	0	0.0	0	0	0	n/a
25 to 29	0.1427	0	0.0	0	0	0	n/a
30 to 34	0.1336	0	0.0	0	0	0	n/a
35 to 39	0.1896	0	0.0	0	0	0	n/a
40 to 44	0.2552	0	0.0	0	0	0	n/a
Age-Elig	ible Women:	-		_		-	
			Current C	ontraceptiv	e Users (at enrol	lment)	
	% of Eligible			<u> </u>	Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.298	0	0.0	0	0	0	n/a
20 to 24	0.634	0	0.0	0	0	0	n/a
25 to 29	0.693	0	0.0	0	0	0	n/a
30 to 34	0.727	0	0.0	0	0	0	n/a
35 to 39	0.729	0	0.0	0	0	0	n/a
40 to 44	0.715	0	0.0	0	0	0	n/a
Age-Elia	ible Women:	-		-	-		
J9							

Table E6. Physician's Office Model: Estimated Sample Size of Women for Five-Year Recruitment Period of CP/CSP Women with 60% Initial Enrollment Rate

	ւտ ծս‰ <u>ւու</u> ն nent Period	<u>ial Enrollmen</u> J.	5 Years (all bi	the by 62 p	aontha)	Women Recrui	to di CD/CCD
			,		·		
		rollment R	ate:	65%	Distribution o		men by Age Group:
	Women Targe	eted:		228,654		Age Groups	Sampled Population
Unit Occup				1		15 to 19	24,203
Contact Ra				0.95		20 to 24	49,028
	e Women Rate): -		1		25 to 29	55,647
Age-Eligible				217,222		30 to 34	48,518
	Enrolled 1st L			88,484		35 to 39	29,816
Number of	Enrolled 2nd L	_ive Births		11,516		40 to 44	10,010
Total Enroll	ed Live Births			100,000		Total	217,222
		C	urrently Pregr	nant (at eni	rollment, through	53 months)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	21,982	0.65	14,288	7,547	308	
20 to 24	0.1036	41,379	0.65	26,896	17,766	2522	
25 to 29	0.10329	42,048	0.65	27,331	19,594	3215	
30 to 34	0.07736	33,564	0.65	21,816	16,064	2100	
35 to 39	0.0354	17,289	0.65	11,238	8,274	651	
40 to 44	0.00782	3,920	0.65	2,548	1,903	56	
Age-Elig	ible Women:	160,182		104,118	71,149	8,851	0.768
<u> </u>		· · · · · ·	Currently S	Seeking Pr	egnancy (at enro		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	2,221	0.65	1,443	460	22	
20 to 24	0.0340	7,649	0.65	4,972	2,309	397	
25 to 29	0.0610	13,599	0.65	8,839	4,718	933	
30 to 34	0.0620	14,954	0.65	9,720	5,347	931	
35 to 39	0.0460	12,527	0.65	8,142	3,429	346	
40 to 44	0.0220	6,090	0.65	3,959	1,073	36	
Age-Eligi	ible Women:	57,040		37,076	17,336	2,664	0.539
<u> </u>		Not o	n Contracepti	on/Not See	eking Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	0	0.0	0	0	0	n/a
20 to 24	0.2284	0	0.0	0	0	0	n/a
25 to 29	0.1427	0	0.0	0	0	0	
30 to 34	0.1336	0	0.0	0	0	0	n/a
35 to 39	0.1896	0	0.0	0	0	0	n/a
40 to 44	0.2552	0	0.0	0	0	0	n/a
Age-Eligi	ible Women:	-		-	-	-	
1.9-			Current Co	ontraceptiv	e Users (at enrol	Iment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.298	0	0.0	0	0	0	n/a
20 to 24	0.634	0	0.0	0	0	0	n/a
25 to 29	0.693	0	0.0	0	0	0	n/a
30 to 34	0.727	0	0.0	0	0	0	n/a
35 to 39	0.729	0	0.0	0	0	0	n/a
40 to 44	0.715	0	0.0	0	0	0	n/a
Age-Eligi	ible Women:	-		-	-	-	
5 5	-						

APPENDIX F

DETAILED OUTPUT OF TWO ALTERNATIVE PROBABILISTIC MODELS (Prior to Applying Correction Factors)

- 1. HOUSEHOLD RECRUITMENT MODEL OF ALL WOMEN WITH THE HIGHER-LEVEL INITIAL ENROLLMENT RATE FOR CP/CSP WOMEN (85 PERCENT) AND THE LOWER-LEVEL INITIAL ENROLLMENT RATE FOR CCU/OTHER WOMEN (59.5 PERCENT)
- 2. DRAFT FULL COMMUNITY MODEL OF ALL WOMEN 50 PERCENT RECRUITED USING HOUSEHOLD APPROACH AND 50 PERCENT RECRUITED WITH PRIOR INFORMATION SIMILAR TO PHYSICIAN OFFICE APPROACH

Table F1. Household Model: Estimated Sample Size of Women for Three-Year Recruitment Period of All Women with 85% Initial Enrollment Rate for CP/CSP Women and 59.5% for CCU/Other Women

					or CCU/Other Wom		
	ent Period		3 Years (all bi		,		
Estimate	d Initial Er	rollment R	ate:	Mix (85/60)	Distribution of	f Age-Eligible Wo	men by Age Group:
Number of	Households S	ampled:		2,020,569		Age Groups	Sampled Population
Unit Occup	ation Rate:			0.9		15 to 19	154,184
Contact Ra	te:			0.95		20 to 24	149,124
Age-Eligible	Women Rate	:		0.57		25 to 29	152,028
Age-Eligible	e Women:			984,724		30 to 34	162,779
Number of	Enrolled 1st L	ive Births		94,714		35 to 39	183,611
Number of	Enrolled 2nd L	ive Births		5,286		40 to 44	182,999
Total Enrolle	ed Live Births			100,000		Total	984,724
			Curre	ently Pregn	ant (at enrollme	nt)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	8,206	0.85	6,975	3,694	156	
20 to 24	0.1036	15,447	0.85	13,130	8,667	1108	
25 to 29	0.10329	15,696	0.85	13,342	9,525	1284	
30 to 34	0.07736	12,529	0.85	10,650	7,802	781	
35 to 39	0.0354	6,454	0.85	5,486	4,026	224	
40 to 44	0.00782	1,463	0.85	1,244	928	16	
Age-Eligi	ble Women:	59,795		50,826	34,641	3,570	0.752
			Currently S	Seeking Pr	egnancy (at enro	ollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	1,481	0.85	1,259	394	10	
20 to 24	0.0340	5,102	0.85	4,336	1,872	136	
25 to 29	0.0610	9,071	0.85	7,710	3,691	249	
30 to 34	0.0620	9,975	0.85	8,478	4,082	188	
35 to 39	0.0460	8,355	0.85	7,102	2,615	56	
40 to 44	0.0220	4,062	0.85	3,453	806	4	
Age-Eligi	ble Women:	38,045		32,338	13,460	643	0.436
		Not o	n Contracepti	on/Not See	eking Pregnancy	•	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	98,833	0.595	58,806	4,357	52	
20 to 24	0.2284	36,427	0.595	21,674	6,334	253	
25 to 29	0.1427	21,593	0.595	12,848	2,754	124	
30 to 34	0.1336	22,281	0.595	13,257	1,773	41	
35 to 39	0.1896	34,995	0.595	20,822	1,040	10	
40 to 44	0.2552	46,809	0.595	27,852	313	1	
Age-Eligi	ble Women:	260,939		155,258	16,571	482	0.110
	0. (=: :: : : :		Current C	ontraceptiv	/e Users (at enrol		
Λ	% of Eligible	4 -4 \\/	late Carelless	# = 4 \\\	Enrolled Children:	Enrolled Children:	Famalla d I Day area
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent Pregs. (at birth	Enrolled LBs per
Groups 15 to 19	Age Group 0.298	Contacted 45,664	Rate 0.595	Enrolled 27,170	(at birth age) 1,035	Pregs. (at birth	Enrolled Woman
20 to 24	0.296		0.595		6,417	162	
		92,148		54,828			
25 to 29	0.693	105,668	0.595	62,872	9,622	248	
30 to 34	0.727	117,994	0.595	70,207	8,104	136	
35 to 39 40 to 44	0.729	133,807	0.595	79,615	4,001 862	32	
	0.715	130,664	0.595	77,745			0.000
Age-Eligi	ble Women:	625,945		372,437	30,042	592	0.082

Table F2a. Full Community Model: Estimated Sample Size of Women for Four-Year Recruitment Period of All Women, 50% Obtained with Prior Information, 50% from a Household Sample

					Juscholu Sample		
	nent Perio		4 Years (all bi		,	Women Recrui	
Estimate	d Initial Er	nrollment R	ate:	90%/80%	Distribution o	f Age-Eligible Wo	men by Age Group:
Number of	Households S	Sampled:		1,260,344		Age Groups	Sampled Population
Unit Occup	ation Rate:			1/.9		15 to 19	93,977
Contact Ra	te:			0.95		20 to 24	90,893
Age-Eligible	e Women Rate):		1/.4		25 to 29	92,663
Age-Eligible	e Women:			600,202		30 to 34	99,216
Number of	Enrolled 1st L	ive Births		91,575		35 to 39	111,913
Number of	Enrolled 2nd L	_ive Births		8,425		40 to 44	111,540
Total Enroll	ed Live Births			100,000		Total	600,202
			Curre	ntly Prean	ant (at enrollmei	nt)	
	% of Eligible		l	l	Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.05349	5,002	0.95/0.85	4,472	2,386	140	
20 to 24	0.1036	9,415	0.95/0.85	8417	5,714	1113	
25 to 29	0.10329	9,567	0.95/0.85	8553	6,331	1404	
30 to 34	0.10329	7,637	0.95/0.85	6828	5,168	916	
35 to 39	0.07730	3,934	0.95/0.85	3517	2,646	283	
	0.0354	-		797		263	
40 to 44		892	0.95/0.85		605		
Age-Elig	ible Women:	36,446		32,584	22,850	3,879	0.820
			Currently S	Seeking Pr	egnancy (at enro	•	Ī
	% of Eligible	,, ,,,,,			Enrolled Children:	Enrolled Children:	- "
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	903	0.95/0.85	807	256	11	
20 to 24	0.0340	3,110	0.95/0.85	2,780	1,254	164	
25 to 29	0.0610	5,529	0.95/0.85	4,943	2,523	347	
30 to 34	0.0620	6,080	0.95/0.85	5,435	2,826	312	
35 to 39	0.0460	5,093	0.95/0.85	4,553	1,816	106	
40 to 44	0.0220	2,476	0.95/0.85	2,214	569	10	
Age-Elig	ible Women:	23,189		20,732	9,244	950	0.492
		Not o	n Contracepti	on/Not See	king Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	60,240	0.895/0.795	50,544	4,988	139	
20 to 24	0.2284	22,203	0.895/0.795	18,629	8,188	773	
25 to 29	0.1427	13,161	0.895/0.795	11,043	3,413	377	
30 to 34	0.1336	13,581	0.895/0.795	11,395	2,223	141	
35 to 39	0.1896	21,330	0.895/0.795	17,897	1,302	38	
40 to 44	0.2552	28,531	0.895/0.795	23,938	420	3	
Age-Elia	ible Women:	159,045		133,445	20,532	1,472	0.165
- 5 5			Current C		e Users (at enrol		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.298	27,833	0.895/0.795	23,353	1,124	26	
20 to 24	0.634	56,165	0.895/0.795	47,125	8,006	504	
25 to 29	0.693	64,406	0.895/0.795	54,039	12,395	885	
30 to 34	0.727	71,919	0.895/0.795	60,343	10,668	553	
35 to 39	0.729	81,557	0.895/0.795	68,429	5,490	147	
40 to 44	0.715	79,641	0.895/0.795	66,822	1,266	9	
	ible Women:	381,521		320,111	38,949	2,124	0.128
Age-Lilg	IDIC VVUITICIT.	301,321		J2U, 111	30,349	۷,۱۷4	0.120

Table F2b. Full Community Model: Estimated Sample Size of Women for Four-Year Recruitment Period of All Women, Results for 50% Obtained with Prior Information

			With Prior Intol				
	nent Period		4 Years (all bi		,	Women Recrui	
Estimate	d Initial Er	nrollment R	ate:	90%	Distribution o	f Age-Eligible Wo	men by Age Group:
Number of	Households S	Sampled:		278,231		Age Groups	Sampled Population
Unit Occup	ation Rate:			1		15 to 19	41,386
Contact Ra	te:			0.95		20 to 24	40,028
Age-Eligible	e Women Rate):		1		25 to 29	40,807
Age-Eligible				264,319		30 to 34	43,693
	Enrolled 1st L	ive Births		45,345		35 to 39	49,285
Number of	Enrolled 2nd L	_ive Births		4,655		40 to 44	49,120
Total Enroll	ed Live Births			50,000		Total	264,319
			urrontly Broa	nant (at an	rollmont Month	1 Month 6)	·
	% of Eligible	L L	urrenuy Freg	nanı (al en	rollment, Month Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment	# of Momon	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	# or women Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
					,		Lillolled Wolflan
15 to 19	0.05349	2,203	0.95	2,092	1,118	69	
20 to 24	0.1036	4,146	0.95	3,939	2,691	566	
25 to 29	0.10329	4,213	0.95	4,003	2,988	729	
30 to 34	0.07736	3,363	0.95	3,195	2,438	482	
35 to 39	0.0354	1,732	0.95	1,646	1,246	151	
40 to 44	0.00782	393	0.95	373	284	13	
Age-Flig	ible Women:	16,050		15,248	10,766	2,010	0.838
7 tgo Liig	iolo Worlion:	10,000	Currently 9		egnancy (at enro	•	0.000
	% of Eligible			l	Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.0090	398	0.95	378	120	5	Elifolica vvoltari
20 to 24	0.0340	1,369	0.95	1,301	592	85	
25 to 29	0.0610	2,435	0.95	2,313	1,197	185	
30 to 34	0.0620	2,677	0.95	2,543	1,345	171	
35 to 39	0.0460	2,243	0.95	2,131	864	60	
40 to 44	0.0220	1,090	0.95	1,036	271	6	
Age-Eligi	ible Women:	10,212		9,701	4,389	512	0.505
		Not o	n Contracepti	on/Not See	king Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.6395	26,529	0.895	23,743	2,458	78	
20 to 24	0.2284	9,778	0.895	8,751	4,199	454	
25 to 29	0.1427	5,796	0.895	5,187	1,733	222	
30 to 34	0.1336	5,981	0.895	5,353	1,126	84	
35 to 39	0.1896	9,393	0.895	8,407	658	23	
40 to 44	0.1690	12,565	0.895	11,245	215	23	
			0.095				
Age-Elig	ible Women:	70,041		62,687	10,389	863	0.179
			Current C	ontraceptiv	e Users (at enrol		
	% of Eligible				Enrolled Children:	Enrolled Children:	_ "
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	Pregs. (at birth	Enrolled Woman
15 to 19	0.298	12,257	0.895	10,970	547	14	
20 to 24	0.634	24,734	0.895	22,137	4,035	292	
25 to 29	0.693	28,363	0.895	25,385	6,295	528	
30 to 34	0.727	31,672	0.895	28,346	5,441	337	
35 to 39	0.729	35,916	0.895	32,145	2,822	92	
40 to 44	0.715	35,073	0.895	31,390	660	6	
			0.000				0.440
Age-⊟ig	ible Women:	168,016		150,374	19,802	1,269	0.140

Table F2c. Full Community Model: Estimated Sample Size of Women for Four-Year Recruitment Period of All Women, Results for 50% Obtained from Household Sample

Neciulli	nent Period		4 Years (all bi		nonthe)	Women Recruit	od: Al I
Ectimate		ı. Irollment R		80%			
			ate:		DISTIDUTION	of Age-Eligible Wor	
	Households S	ampled:		982,113		Age Groups	Sampled Population
	ation Rate:			0.9		15 to 19	52,591
Contact Ra				0.95		20 to 24	50,865
	e Women Rate	:		0.4		25 to 29	51,856
Age-Eligible				335,883		30 to 34	55,523
	Enrolled 1st L			46,230		35 to 39	62,628
	Enrolled 2nd L			3,770		40 to 44	62,420
Total Enroll	ed Live Births			50,000		Total	335,883
		С	urrently Preg	nant (at en	rollment, Month		
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Initial Enrollment		1st Monitored Preg.	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	(at birth age)	Enrolled Woman
15 to 19	0.05349	2,799	0.85	2,379	1,268	71	
20 to 24	0.1036	5,269	0.85	4,478	3,023	546	
25 to 29	0.10329	5,354	0.85	4,551	3,342	675	
30 to 34	0.07736	4,274	0.85	3,633	2,730	434	
35 to 39	0.0354	2,201	0.85	1,871	1,400	132	
40 to 44	0.00782	499	0.85	424	321	11	
		20,396		17,336	12,084	1,869	0.805
Age-Eiig	ible Women:	20,396	Currently		regnancy (at enro		0.005
	% of Eligible		Currently	Seeking Fi	Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	# or women Enrolled	(at birth age)	(at birth age)	Enrolled Woman
15 to 19	0.0090	505	0.85	429	136	5	Enrolled Wornan
20 to 24	0.0340	1,740	0.85	1,479	662	79	
25 to 29	0.0610	3,094	0.85	2,630	1,326	162	
30 to 34	0.0620	3,402	0.85	2,892	1,481	140	
35 to 39	0.0460	2,850	0.85	2,422	952	46	
40 to 44	0.0220	1,386	0.85	1,178	298	4	
Age-Elig	ible Women:	12,977		11,030	4,856	438	0.480
		Not o	on Contracept	ion/Not Se	eking Pregnancy	(at enrollment)	
	% of Eligible				Enrolled Children:	Enrolled Children:	
Age	Women in	# of Women	Init. Enrollment	# of Women	1st Monitored Preg.	Subsequent Pregs.	Enrolled LBs per
Groups	Age Group	Contacted	Rate	Enrolled	(at birth age)	(at birth age)	Enrolled Woman
15 to 19	0.6395	33,711	0.795	26,801	2,529	61	
20 to 24	0.2284	12,425	0.795	9,878	3,989	320	
25 to 29	0.4407			F 0FF		455	
201023	0.1427	7,365	0.795	5,855	1,680	155	
30 to 34	0.1427	7,365 7,600	0.795	6,042	1,680 1,097	155	
		-		,			
30 to 34	0.1336 0.1896	7,600 11,936	0.795 0.795	6,042 9,490	1,097 643	57	
30 to 34 35 to 39 40 to 44	0.1336 0.1896 0.2552	7,600 11,936 15,966	0.795	6,042 9,490 12,693	1,097 643 205	57 15 1	0.152
30 to 34 35 to 39 40 to 44	0.1336 0.1896	7,600 11,936	0.795 0.795 0.795	6,042 9,490 12,693 70,758	1,097 643 205 10,143	57 15 1 609	0.152
30 to 34 35 to 39 40 to 44	0.1336 0.1896 0.2552 ible Women:	7,600 11,936 15,966	0.795 0.795 0.795	6,042 9,490 12,693 70,758	1,097 643 205 10,143 ve Users (at enro	57 15 1 609 Ilment)	0.152
30 to 34 35 to 39 40 to 44 Age-Elig	0.1336 0.1896 0.2552 ible Women: % of Eligible	7,600 11,936 15,966 89,004	0.795 0.795 0.795 Current C	6,042 9,490 12,693 70,758 contracepti	1,097 643 205 10,143 ve Users (at enro Enrolled Children:	57 15 1 609 Ilment) Enrolled Children:	
30 to 34 35 to 39 40 to 44 Age-Elig	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in	7,600 11,936 15,966 89,004 # of Women	0.795 0.795 0.795 Current C Init. Enrollment	6,042 9,490 12,693 70,758 contraceptiv	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg.	57 15 1 609 Ilment) Enrolled Children: Subsequent Pregs.	Enrolled LBs per
30 to 34 35 to 39 40 to 44 Age-Elig Age Groups	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in Age Group	7,600 11,936 15,966 89,004 # of Women Contacted	0.795 0.795 0.795 Current C Init. Enrollment Rate	6,042 9,490 12,693 70,758 ontracepti # of Women Enrolled	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg. (at birth age)	57 15 1 609 Ilment) Enrolled Children: Subsequent Pregs. (at birth age)	
30 to 34 35 to 39 40 to 44 Age-Elig Age Groups 15 to 19	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in Age Group 0.298	7,600 11,936 15,966 89,004 # of Women Contacted 15,576	0.795 0.795 0.795 Current C Init. Enrollment Rate 0.795	6,042 9,490 12,693 70,758 ontracepti # of Women Enrolled 12,383	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg. (at birth age) 577	57 15 1 609 Ilment) Enrolled Children: Subsequent Pregs. (at birth age) 12	Enrolled LBs per
30 to 34 35 to 39 40 to 44 Age-Eligi Age Groups 15 to 19 20 to 24	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in Age Group 0.298 0.634	7,600 11,936 15,966 89,004 # of Women Contacted 15,576 31,431	0.795 0.795 0.795 Current C Init. Enrollment Rate 0.795 0.795	6,042 9,490 12,693 70,758 contracepti # of Women Enrolled 12,383 24,988	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg. (at birth age) 577 3,971	57 15 1 609 Ilment) Enrolled Children: Subsequent Pregs. (at birth age) 12 212	Enrolled LBs per
30 to 34 35 to 39 40 to 44 Age-Elig Age Groups 15 to 19 20 to 24 25 to 29	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in Age Group 0.298 0.634 0.693	7,600 11,936 15,966 89,004 # of Women Contacted 15,576 31,431 36,043	0.795 0.795 0.795 Current Control Init. Enrollment Rate 0.795 0.795	6,042 9,490 12,693 70,758 contracepti # of Women Enrolled 12,383 24,988 28,654	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg. (at birth age) 577 3,971 6,100	57 15 1 609 Ilment) Enrolled Children: Subsequent Pregs. (at birth age) 12 212 357	Enrolled LBs per
30 to 34 35 to 39 40 to 44 Age-Elig Age Groups 15 to 19 20 to 24 25 to 29 30 to 34	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in Age Group 0.298 0.634 0.693 0.727	7,600 11,936 15,966 89,004 # of Women Contacted 15,576 31,431 36,043 40,247	0.795 0.795 0.795 Current C Init. Enrollment Rate 0.795 0.795 0.795	6,042 9,490 12,693 70,758 ontracepti # of Women Enrolled 12,383 24,988 28,654 31,996	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg. (at birth age) 577 3,971 6,100 5,227	57 15 1 609 Ilment) Enrolled Children: Subsequent Pregs. (at birth age) 12 212 357 215	Enrolled LBs per
30 to 34 35 to 39 40 to 44 Age-Elig Age Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in Age Group 0.298 0.634 0.693 0.727 0.729	7,600 11,936 15,966 89,004 # of Women Contacted 15,576 31,431 36,043 40,247 45,641	0.795 0.795 0.795 Current C Init. Enrollment Rate 0.795 0.795 0.795 0.795	6,042 9,490 12,693 70,758 **ontracepti** # of Women Enrolled 12,383 24,988 28,654 31,996 36,284	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg. (at birth age) 577 3,971 6,100 5,227 2,667	57 15 17 609 IIment) Enrolled Children: Subsequent Pregs. (at birth age) 12 212 357 215 55	Enrolled LBs per
30 to 34 35 to 39 40 to 44 Age-Eligi Age Groups 15 to 19 20 to 24 25 to 29 30 to 34 35 to 39 40 to 44	0.1336 0.1896 0.2552 ible Women: % of Eligible Women in Age Group 0.298 0.634 0.693 0.727	7,600 11,936 15,966 89,004 # of Women Contacted 15,576 31,431 36,043 40,247	0.795 0.795 0.795 Current C Init. Enrollment Rate 0.795 0.795 0.795	6,042 9,490 12,693 70,758 ontracepti # of Women Enrolled 12,383 24,988 28,654 31,996	1,097 643 205 10,143 ve Users (at enro Enrolled Children: 1st Monitored Preg. (at birth age) 577 3,971 6,100 5,227	57 15 1 609 Ilment) Enrolled Children: Subsequent Pregs. (at birth age) 12 212 357 215	Enrolled LBs per